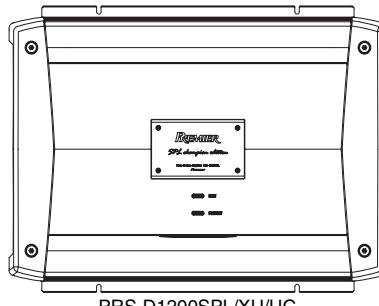


Service Manual



ORDER NO.
CRT3933

CLASS D MONO AMPLIFIER

PRS-D1200SPL_{XU/UC}
PRS-D1200SPL_{XUEW5}



For details, refer to "Important check points for good servicing".

PIONEER CORPORATION 4-1, Meguro 1-chome, Meguro-ku, Tokyo 153-8654, Japan

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SAFETY INFORMATION

A CAUTION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

B This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

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[Important Check Points for Good Servicing]

In this manual, procedures that must be performed during repairs are marked with the below symbol.
Please be sure to confirm and follow these procedures.

1. Product safety



Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

② Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

③ Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris.
Soldering should be finished with the proper quantity. (Refer to the example)

④ Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

⑤ Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

⑥ Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs.
In addition, be sure that there are no pinched wires, etc.

⑦ Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

⑧ There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages.
If you find a damaged power cord, please exchange it with a suitable one.

⑨ There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

⑩ Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries.
Please pay attention to your surroundings and repair safely.

2. Adjustments



To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification.
Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts



Use grease and adhesives that are equal to the specified substance.
Make sure the proper amount is applied.

4. Cleaning



For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws



To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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1. SERVICE PRECAUTIONS

1.1 SERVICE PRECAUTIONS

● Service Precaution



1. You should conform to the regulations governing the product (safety, radio and noise, and other regulations), and should keep the safety during servicing by following the safety instructions described in this manual.
2. Be careful in handling ICs. Some ICs such as MOS type are so fragile that they can be damaged by electrostatic induction.
3. The area where the temperature gets high as a completely assembled product is the heat sink. As a unit, on the other hand, sub-heat sink and the periphery of the sub-heat sink are the areas where the temperature gets high.
4. There is a danger for electrical shock in the periphery of an area where "CAUTION High Voltage" is indicated on the printed circuit board due to a high voltage being generated during operation. Therefore, be careful when working around such areas.
5. The Holder Unit(CXC8183) cannot be used again when removing once. Please exchange it for new parts when you remove the Holder Unit from the product. Reattachment of the Holder Unit having once peeled off may possibly leak the light from an aperture generated by the weak adhesion of two-sided tape.
6. Since the secondary voltage is not discharged upon power-off of the product after the product operation check (some residual voltage is left even after five minutes), forcibly discharge the voltage or conduct servicing after checking the voltage with a tester.
7. When replacing the power FET or the output FET, parts connected in parallel need to be replaced at the same time.

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1.2 NOTES ON SOLDERING

NOTES ON SOLDERING

- For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit. Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.
- Compared with conventional eutectic solders, lead-free solders have higher melting points, by approximately 40 °C. Therefore, for lead-free soldering, the tip temperature of a soldering iron must be set to around 373 °C in general, although the temperature depends on the heat capacity of the PC board on which reworking is required and the weight of the tip of the soldering iron.

D

Compared with eutectic solders, lead-free solders have higher bond strengths but slower wetting times and higher melting temperatures (hard to melt/easy to harden).

The following lead-free solders are available as service parts:

- Parts numbers of lead-free solder:
 - GYP1006 1.0 in dia.
 - GYP1007 0.6 in dia.
 - GYP1008 0.3 in dia.

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2. SPECIFICATIONS

2.1 SPECIFICATIONS

A	Power source	14.4 V DC (10.8 V to 15.1 V allowable)
	Grounding system	Negative type
	Backup current	3 mA or less
	Current consumption	44 A (at continuous power, 4 Ω)
	Average current drawn*	12 A (4 Ω for one channel) 26 A (2 Ω for one channel) 34 A (1 Ω for one channel)
	Fuse	40 A × 4
	Dimensions	381 (W) × 65 (H) × 282 (D) mm [1 ft. 3 in. (W) × 2-1/2 in. (H) × 1-1/8 in. (D)]
	Weight	6.0 kg (13 lbs.) (Leads for wiring not included)
	Maximum power output	1 000 W × 1 (4 Ω) / 2 000 W × 1 (2 Ω) / 2 400 W × 1 (1 Ω)
	Continuous power (14.4 V)	4 Ω, 20 Hz to 240 Hz, ≤ 1.0 % THD, 500 W × 1 2 Ω, 50 Hz, ≤ 1.0 % THD, 1 000 W × 1 1 Ω, 50 Hz, ≤ 2.0 % THD, 1 200 W × 1
B	Load impedance	4 Ω (1 Ω to 8 Ω allowable)
	Frequency response	10 Hz to 240 Hz (+0 dB, -3 dB)
	S/N ratio (UC model)	80 dB (IHF-A network)
	(EW5 model)	80 dB (IEC-A network)
	Low pass filter	Cut off frequency: 40 Hz to 240 Hz Cut off slope: -24 dB/oct.
	Subsonic filter (HPF)	Frequency: 20 Hz Slope: -24 dB/oct.
	Bass boost	Frequency: 40 Hz to 120 Hz Level: 0 / 6 / 9 / 12 dB
	Gain control	RCA: 400 mV to 6.5 V
	Maximum input level / impedance	RCA: 6.5 V / 22 kΩ
C	(UC model)	

Power output	500 W RMS × 1 channel (at 4 Ω and ≤ 1% THD+N)
	1 000 W RMS × 1 channel (at 50 Hz, 2 Ω and ≤ 1% THD+N)
S/N ratio	54 dBA (reference: 1 W into 4 Ω)



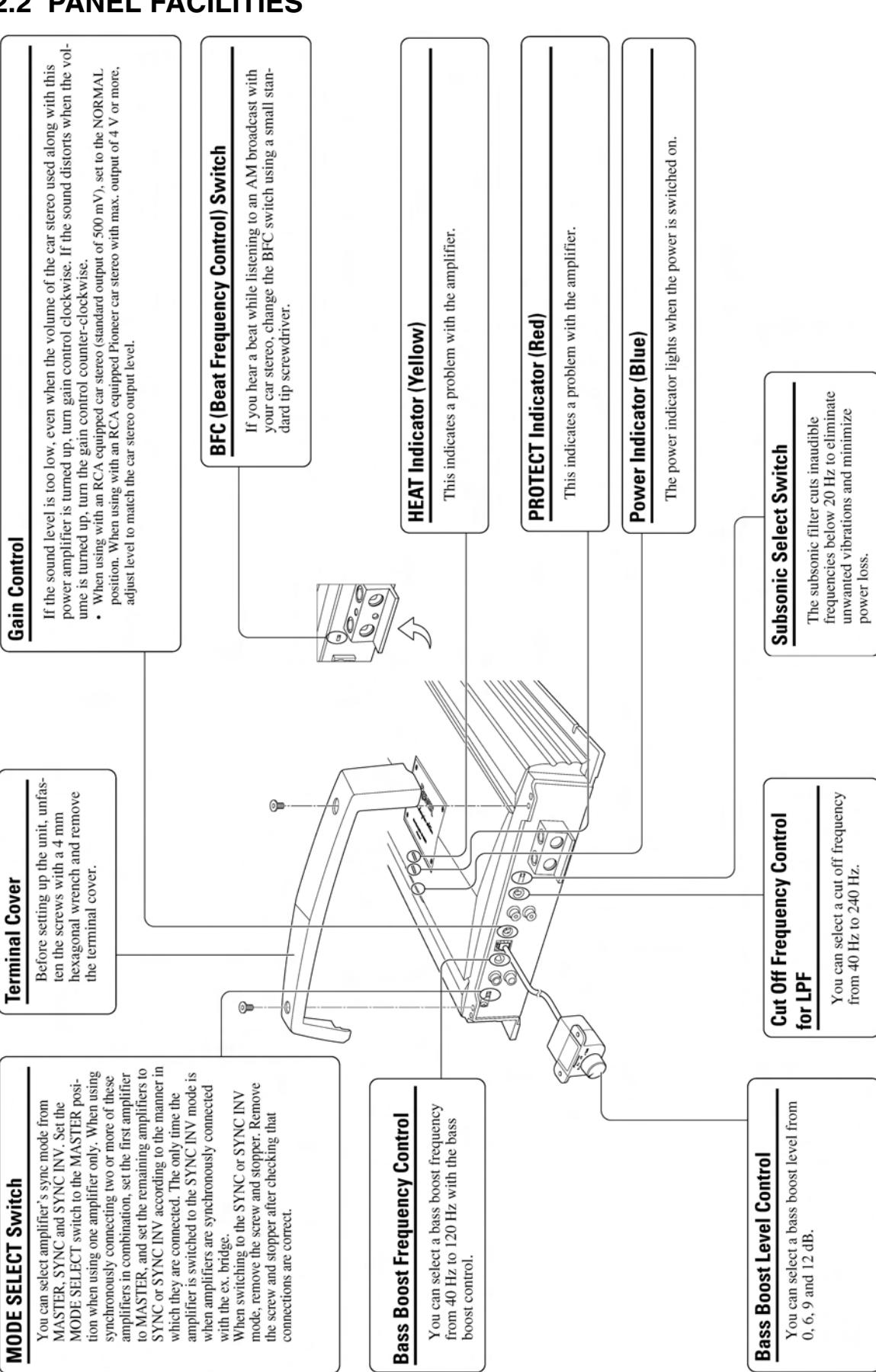
Note:

- Specifications and the design are subject to possible modification without notice due to improvements.

*Average current draw

- The average current draw is nearly the maximum current drawn by this unit when an audio signal is input. Use this value when working out total current drawn by multiple power amplifiers.

2.2 PANEL FACILITIES

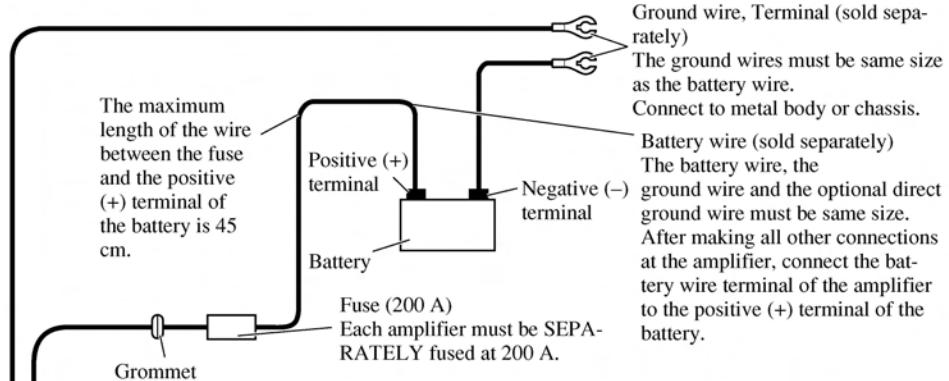


2.3 CONNECTION DIAGRAM

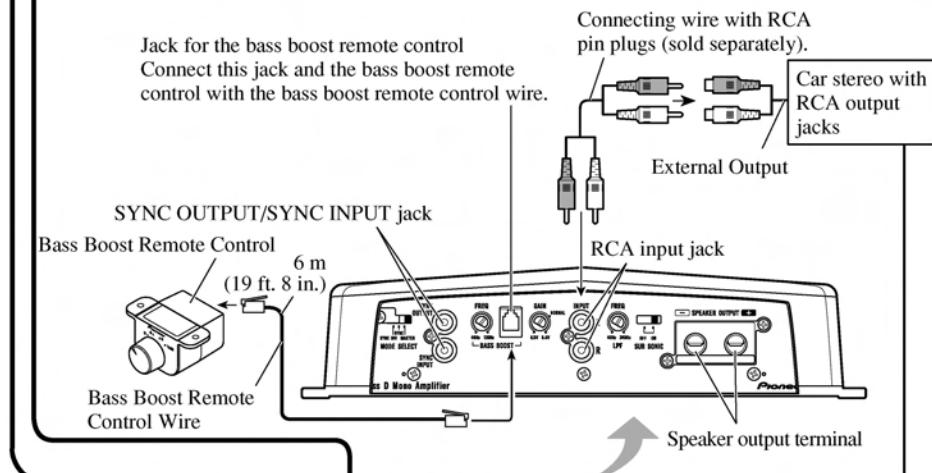
A

- In the case of connecting the external output from a car stereo to an RCA input, use the jack used for full-range output. This is because the LPF of the amplifier cannot be turned OFF. If this jack cannot be used, connect the subwoofer output jack to the RCA input.

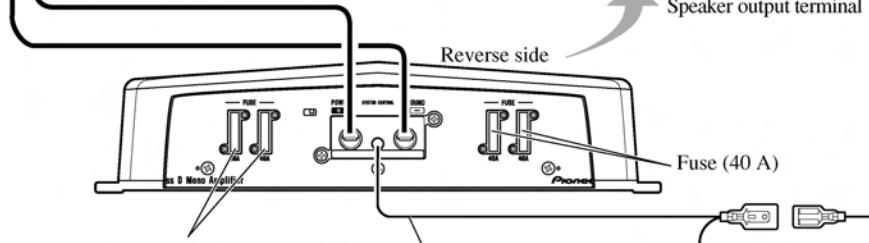
B



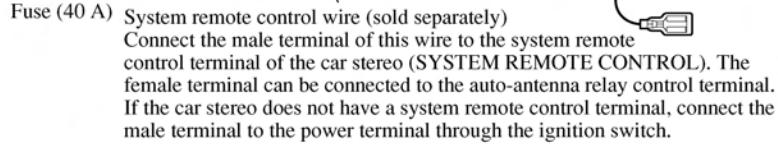
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3. BASIC ITEMS FOR SERVICE

3.1 CHECK POINTS AFTER SERVICING

A

To keep the product quality after servicing, please confirm following check points.

No.	Procedures	Item to be confirmed
1	Confirm whether the customer complain has been solved.	The customer complain must not be reappeared. Audio and operations must be normal.
2	Check the output sound.	Audio and operations must be normal.
3	Appearance check	No scratches or dirt on its appearance after receiving it for service.

See the table below for the items to be checked regarding video and audio:

Item to be checked regarding audio
Distortion
Noise
Volume too low
Volume too high
Volume fluctuating
Sound interrupted

B

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3.2 JIGS LIST

● Lubricants and Glues list

Name	Jig No.	Remarks
Bond	GEM1017	Applying to Chemical Capacitor etc. (*)
Bond	GYL1006	Applying to Thermistor

(*) You can use GEM1017 even if the color is different from the original ones.

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4. BLOCK DIAGRAM

There is no information to be shown in this chapter.

A

B

C

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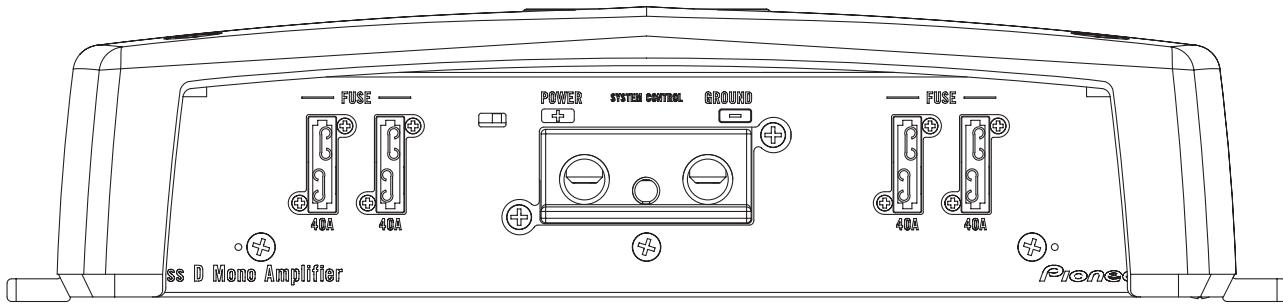
E

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5. DIAGNOSIS

5.1 CONNECTOR FUNCTION DESCRIPTION

A



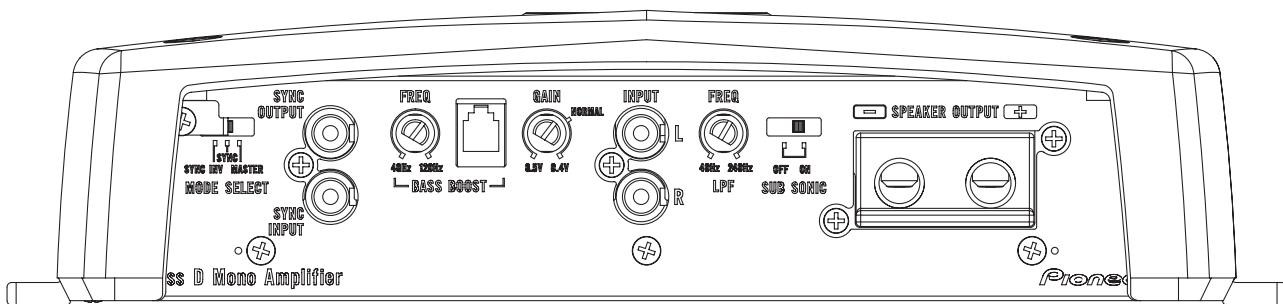
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6. SERVICE MODE

There is no information to be shown in this chapter.

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7. DISASSEMBLY

A You can see the Screws List on the page 24.

● Removing the Case (Fig.1)

- 1 Remove the six screws.
- 2 Remove the nine screws and then remove the Case.

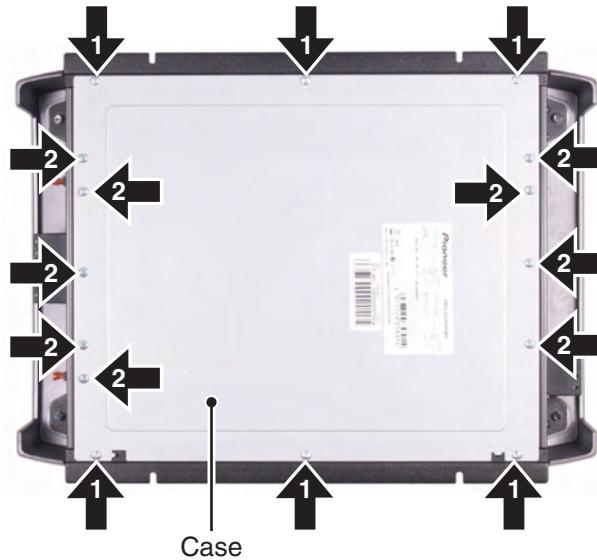


Fig.1

B Note)

When removing the case, remove it from the positioning side. Removal from the opposite side may deform the positioning pin. (Fig.2)

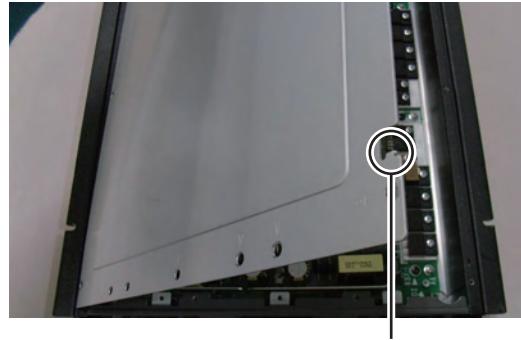


Fig.2

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Note)

This product has high voltage circuit inside, and the voltage will be kept for a while by big capacitors. So, before starting disassembly, make sure if the voltage of +VH and -VH become low enough after turning off the power supply.

If you want to discharge the capacitors faster, connect the resistors of same value in parallel with the original discharge resistors (R241 and R245).

● Removing the Amp Unit (Fig.3)

- 1 Remove the four screws.
- 2 Remove the ten screws.
- 3 Remove the six screws and then remove the Amp Unit.

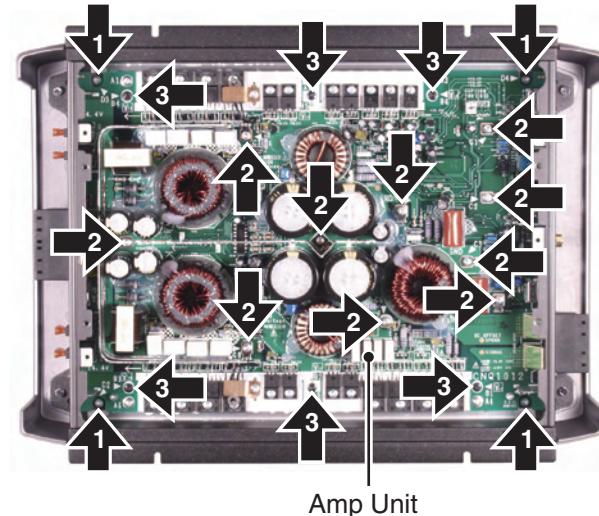
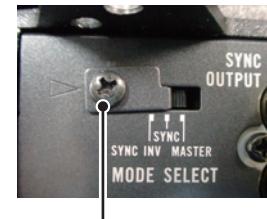


Fig.3

Note)

Remove a screw for MODE SELECT only when switching over the mode selection. You do not have to remove this screw when removing the unit board. (Fig.4)

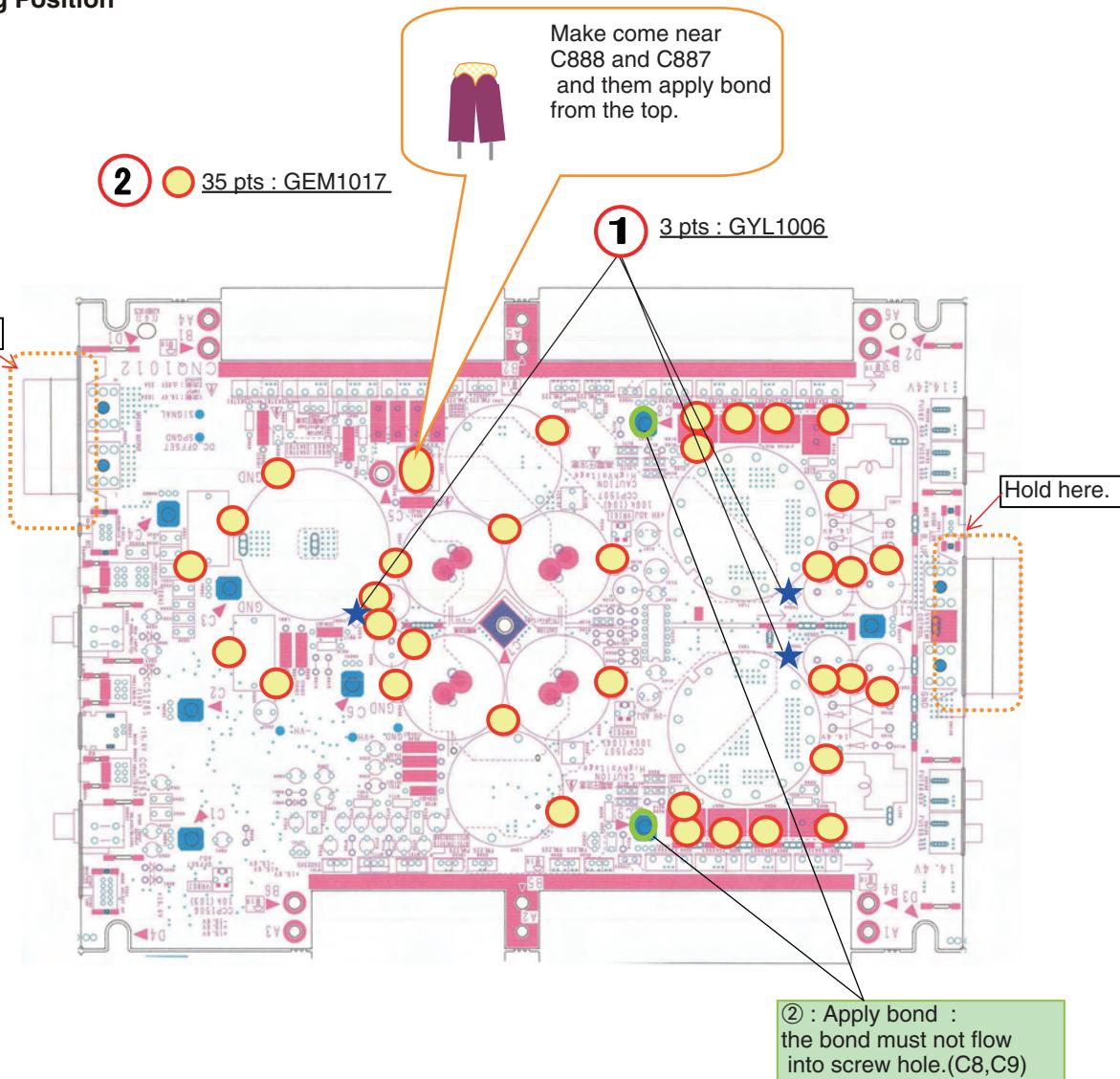


Screw for MODE SELECT

Fig.4



● Bonding Position



1

3 pts

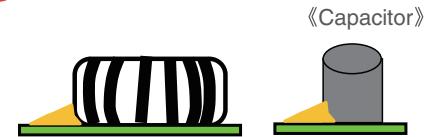
Press the thermistor against the transformer and apply an adhesive as the end of the thermistor touches the transformer.



* TACK-FREE TIME 5 minutes

2

BOND LOCK 35 pts



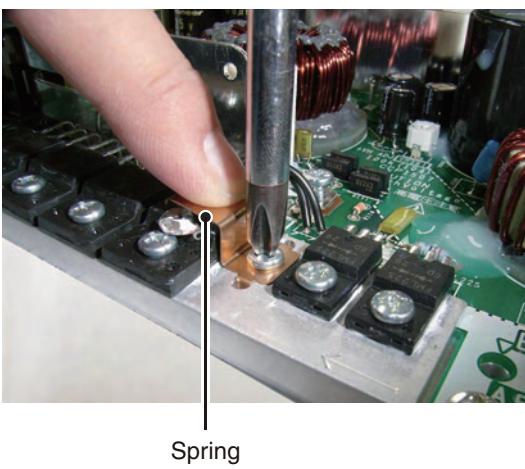
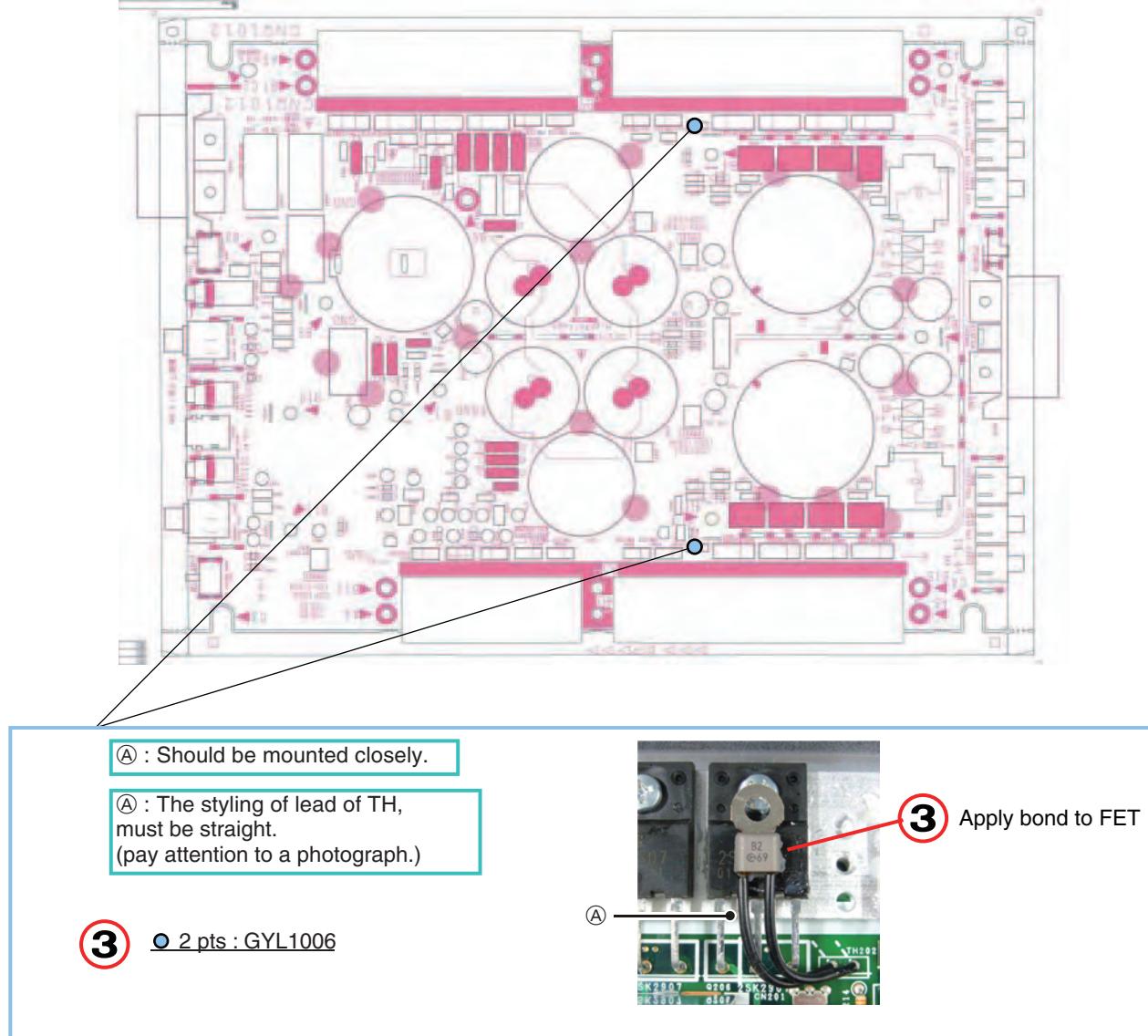
*Bond should be applied both of parts and PCB.

*Be aware not to apply bond on contact point of connector, seat area of screw.

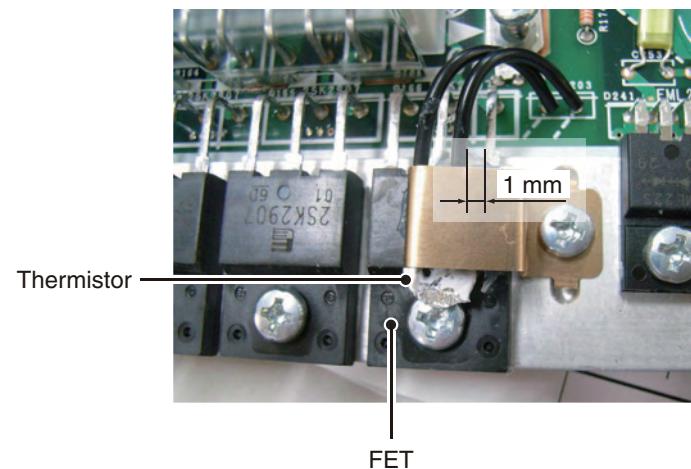
* TACK-FREE TIME 10 minutes

Note)

When applying bond to two Film Capacitors (C887 and C888) , attach them and apply bond.



When installing a Spring for holding of Thermistor, tighten a screw while pushing down the spring.



Place a Thermistor at the center of FET such that the rightmost terminal of FET and the Thermistor terminal are separated by 1 mm or more.

8. EACH SETTING AND ADJUSTMENT

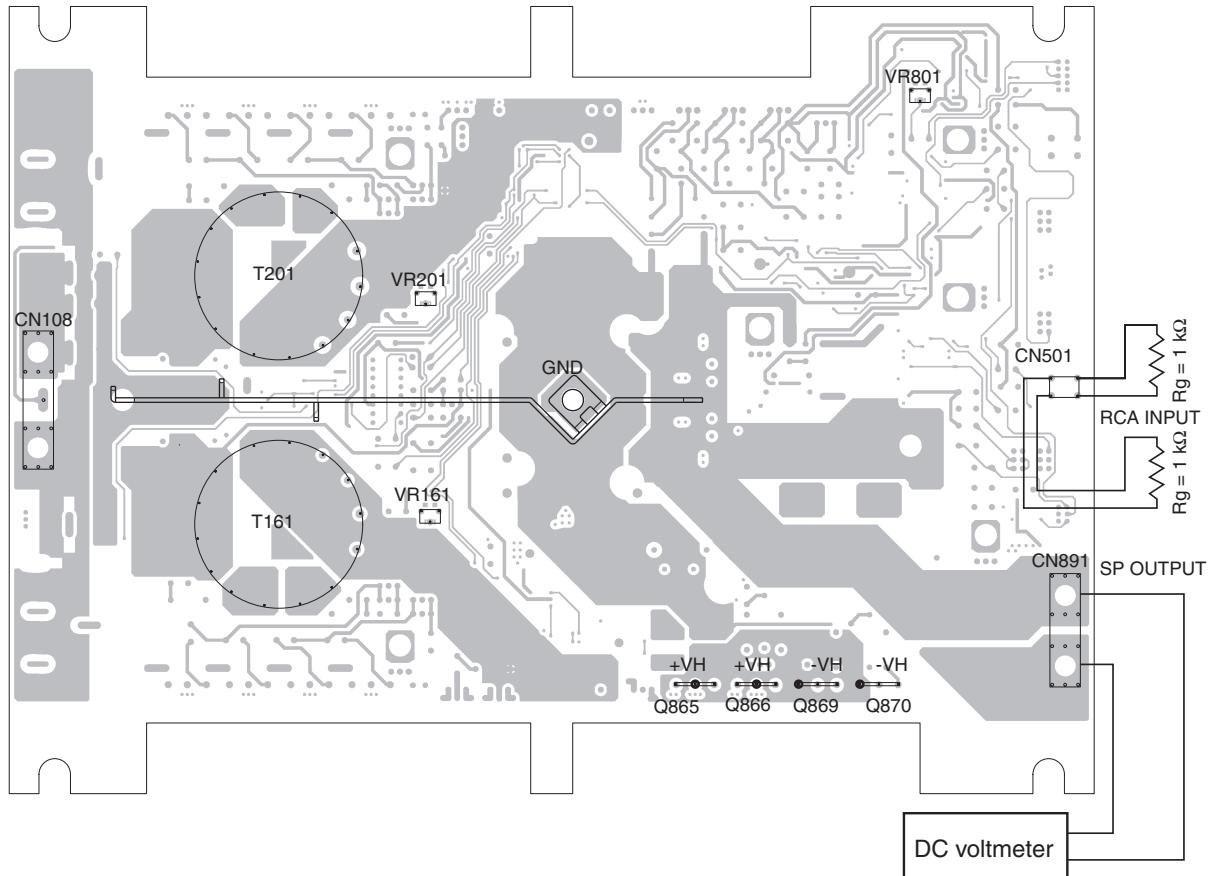
8.1 ADJUSTMENT

A



● Adjustment Point

AMP UNIT (SIDE A)



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● Speaker Output DC Offset Voltage Adjustment

No.	Measurement condition	Measurement point	Adjustment point	Adjustment Method
1	Power on No load, no input $R_g = 1 \text{ k}\Omega$	SP OUT	VR801	DC voltmeter : $0 \pm 15 \text{ mV}$

A

● VH Voltage Adjustment

No.	Measurement condition	Measurement point	Adjustment point	Adjustment Method
1	Power on No load, no input $R_g = 1 \text{ k}\Omega$	GND : Buss Bar on the center of PCB +VH : Drain lead of Q865 or Q866 -VH : Source lead of Q869 or Q870	VR161 : +VH VR201 : -VH	DC voltmeter : $\pm 85.0 \text{ V} \pm 1 \text{ V}$

B

● Cautions for Voltage Adjustment

Speaker Output DC Offset Voltage Adjustment and VH Voltage Adjustment affect each other.

So, after adjusting either voltage, check the other voltage.

If the voltage is within limits, it is OK.

If the voltage is out of limits, adjust the voltage and check the other voltage again (or repeatedly in some cases).

e.g. Offset $\rightarrow \pm \text{VH} \rightarrow \text{Offset} \rightarrow \pm \text{VH} \rightarrow \text{Offset}$

Rough adjustment of VR center is permissible, so check the offset at first and last.

C

Note: When connecting or adjusting the lead, be careful not to short-circuit it with other portions.

D

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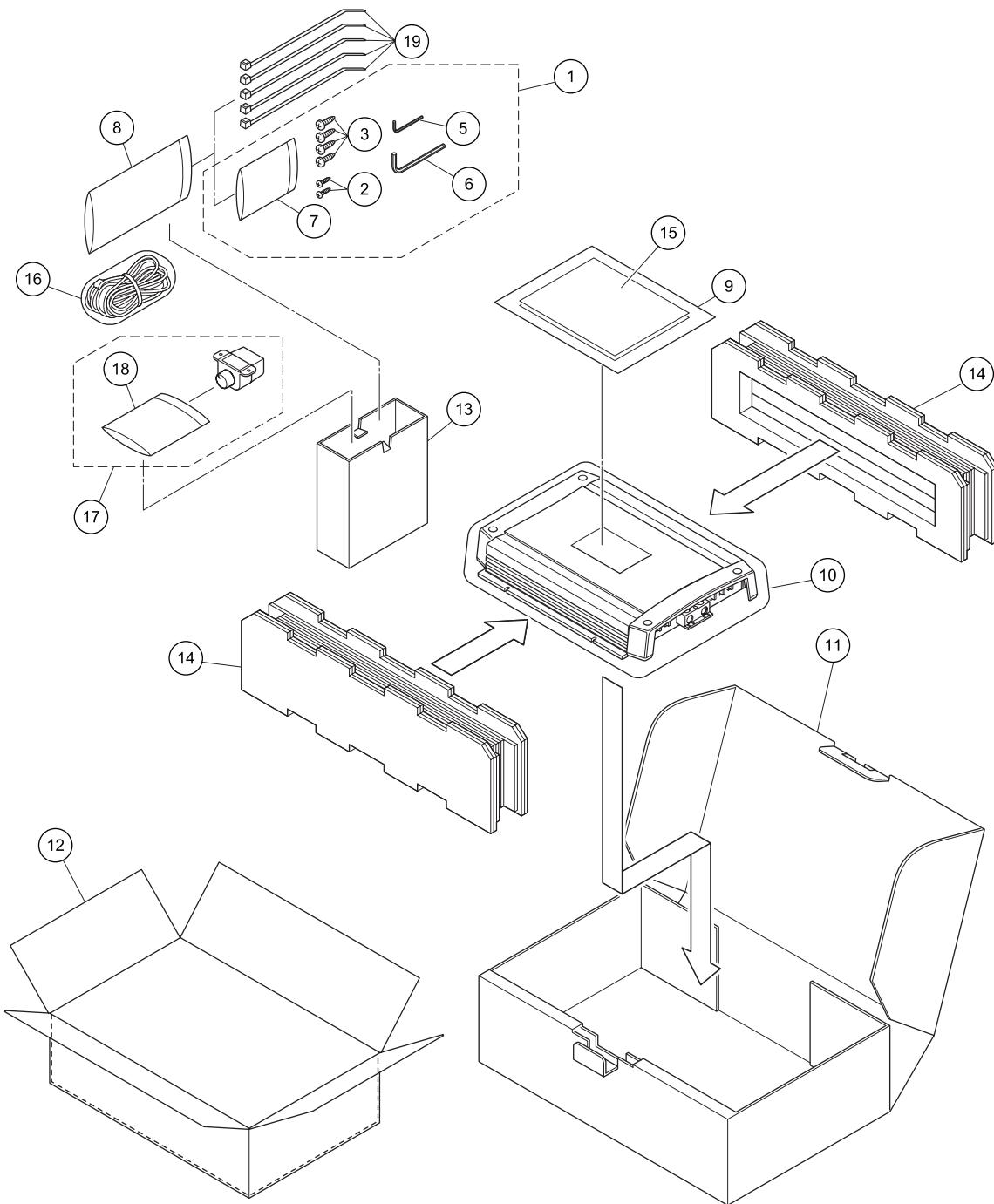
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9. EXPLODED VIEWS AND PARTS LIST

NOTES : • Parts marked by " * " are generally unavailable because they are not in our Master Spare Parts List.

- The  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Screw adjacent to  mark on the product are used for disassembly.
- For the applying amount of lubricants or glue, follow the instructions in this manual.
(In the case of no amount instructions, apply as you think it appropriate.)

9.1 PACKING



PACKING SECTION PARTS LIST

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
1	Screw Assy	CEA7772	12	Contain Box(UC)	CHL6198
2	Screw	BYC30P100FTB		Contain Box(EW5)	CHL6199
3	Screw	BYC40P180FTB			
4		13	Protector	CHP3368
5	Shaft	CLP1246	14	Protector	CHP3369
			15-1	Owner's Manual(UC)	CRD4227
				Owner's Manual(EW5)	CRD4226
6	Shaft	YLP5001			
*	7 Polyethylene Sheet	CNM4338	*	15-2 Warranty Card(UC)	CRY1070
*	8 Polyethylene Bag	CEG-158			
9	Polyethylene Bag	CEG1116	*	Warranty Card(EW5)	CRY1157
10	Polyethylene Bag(UC)	CEG1351	16	Cord Assy	YDP5002
	Polyethylene Bag(EW5)	CEG1317	17	Remote Control Assy	CXC4064
11	Unit Box(UC)	CHG6198	*	18 Polyethylene Bag	CEG1171
	Unit Box(EW5)	CHG6199	*	19 Lock Tie	CNV-754

Owner's Manual, Installation Manual

Part No.	Language
CRD4227	English, French, Spanish
CRD4226	English, Spanish, German, French, Italian, Dutch, Russian

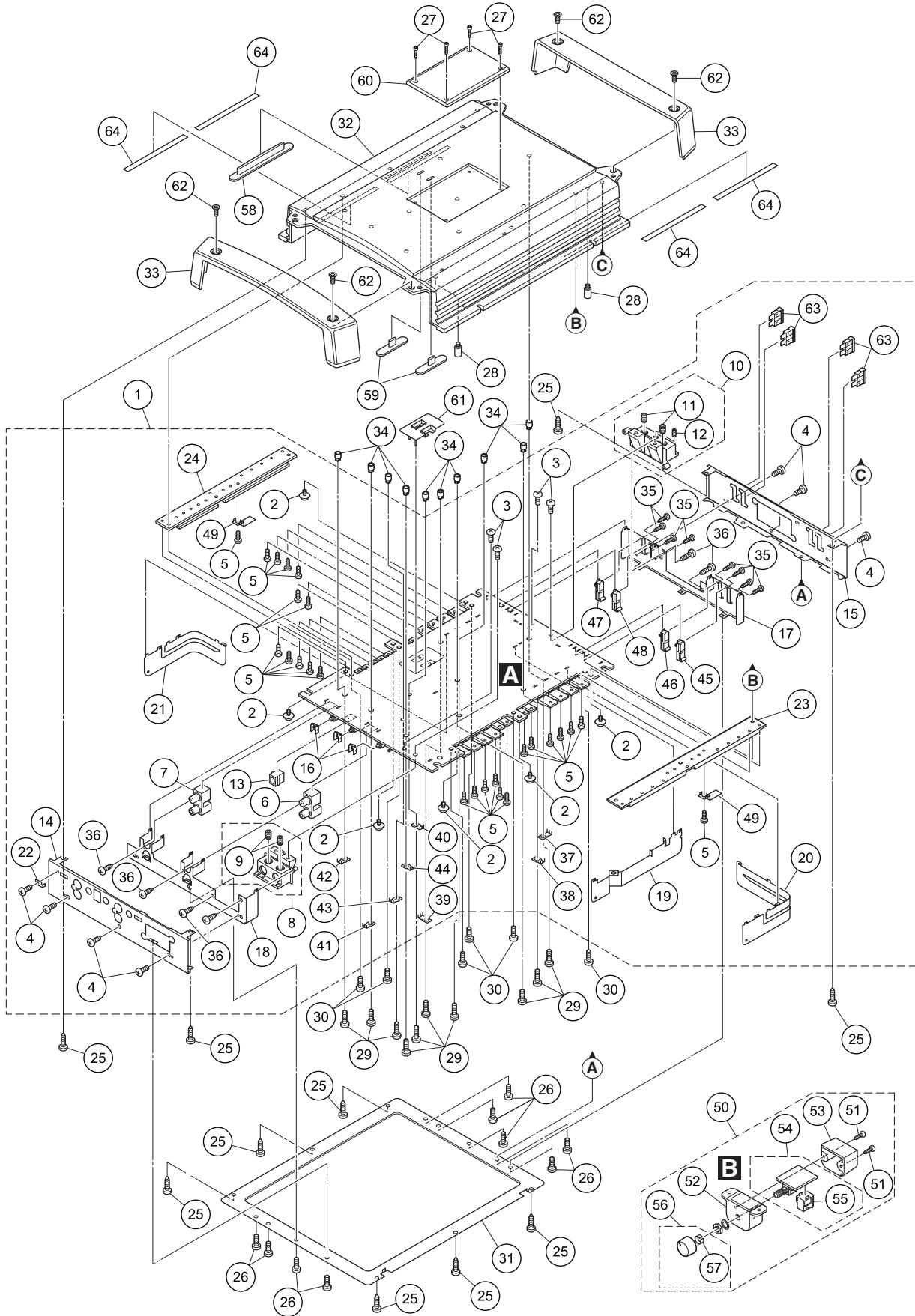
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9.2 EXTERIOR



EXTERIOR SECTION PARTS LIST

<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Mark No.</u>	<u>Description</u>	<u>Part No.</u>
1	Amp Unit	CWH1358	34	Spacer	CNV8256
2	Screw	AMZ30P040FTC	35	Screw	PPZ20P060FTB
3	Screw	BBZ30P060FSN	36	Screw	PPZ30P100FTB
4	Screw	BSZ30P060FTB	37	Terminal(CN107)	VNF1084
5	Screw(3 x 8)	CBA2011	38	Terminal(CN161)	VNF1084
6	Pin Jack(CN501)	CKB1069	39	Terminal(CN201)	VNF1084
7	Pin Jack(CN601)	CKB1083	40	Terminal(CN241)	VNF1084
8	Terminal(CN891)	CKE1061	41	Terminal(CN581)	VNF1084
9	Screw(M8 x 10)	CBA2059	42	Terminal(CN681)	VNF1084
10	Terminal(CN108)	CKE1062	43	Terminal(CN881)	VNF1084
11	Screw(M8 x 10)	CBA2059	44	Terminal(CN882)	VNF1084
12	Screw(M4 x 14)	CBA2060	45	Fuse Holder(CN102)	YKR5001
13	Connector(CN561)	CKS4962	46	Fuse Holder(CN103)	YKR5001
14	Panel	CNB3374	47	Fuse Holder(CN105)	YKR5001
15	Panel	CNB3399	48	Fuse Holder(CN106)	YKR5001
16	Holder	CND2466	49	Spring	CBL1776
17	Holder	CND3925	50	Remote Control Assy	CXC4064
18	Holder	CND3943	51	Screw	BPZ20P100FTB
19	Buss Bar	CND3944	52	Grille	CNS8140
20	Buss Bar	CND3945	53	Cover	CNS8141
21	Buss Bar	CND3946	54	Remote Control Unit	CWM9848
22	Holder	CND4097	55	Connector(CN1351)	CKS4962
23	Sub Heat Sink	CNR1910	56	Knob Unit	CXC4335
24	Sub Heat Sink	CNR1911	57	Spring	CBL1692
25	Screw	BBZ30P060FTC	58	Lighting Conductor Unit	CXC8164
26	Screw	BSZ30P060FTC	59	Lighting Conductor Unit	CXC8165
27	Screw(M2.6 x 6)	CBA2115	60	Badge Unit(UC)	CXC8175
28	Screw(M3 x 5)	CBA1810		Badge Unit(EW5)	CXC8176
29	Screw(3 x 12)	CBA2012	61	Holder Unit	CXC8183
30	Screw(M3 x 10)	CBA2064	62	Screw(M6 x 10)	YBA5002
31	Case	CNB3397	⚠ 63	Fuse(40 A) (FU102, 103, 105, 106)	CEK1332
32	Heat Sink	CNR1909	64	Spacer	CNN1954
33	Cover	CNR1915			

The Holder Unit(CXC8183) cannot be used again when removing once.

Please exchange it for new parts when you remove the Holder Unit from the product.

Reattachment of the Holder Unit having once peeled off may possibly leak the light from an aperture generated by the weak adhesion of two-sided tape.

D

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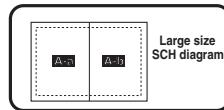
● Screws List

A	Mark A on PCB AMF30P040FTC (3 x 4 Washer Faced Screw)	Mark B on PCB BBZ30P100FTB(3 x 10)	Mark C on PCB CBA2012(3 x 12)
B	Mark D on PCB BBZ30P060FTC(3 x 6)	Case and Heat Sink BBZ30P060FTC(3 x 6)	Case, Panel and Holder BSZ30P060FTC(3 x 6)
C	Holder and Panel BBZ30P060FTB(3 x 6)	FET CBA2011(3 x 8 Tapping Screw)	Thermistor, Transistor CBA2011(3 x 8 Tapping Screw)
D	Badge CBA2115(M2.6 x 6)	Terminal Cover YBA5002(M6 x 10 Flat-head Screw)	
E			
F			

10. SCHEMATIC DIAGRAM

10.1 SCHEMATIC DIAGRAM(GUIDE PAGE)

A Note: When ordering service parts, be sure to refer to " EXPLODED VIEWS AND PARTS LIST" or "ELECTRICAL PARTS LIST".



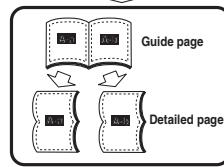
NOTE :
□ Symbol indicates a resistor.
No differentiation is made between chip resistors and discrete resistors.

□ Symbol indicates a capacitor.
No differentiation is made between chip capacitors and discrete capacitors.

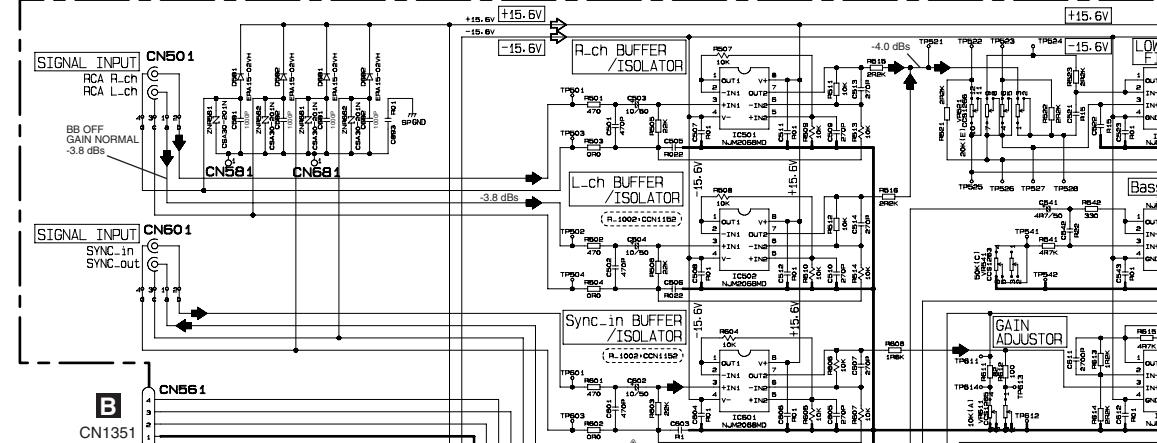
Decimal points for resistor and capacitor fixed values are expressed as :
2.2 – 2R2
0.022 – R022

A-a

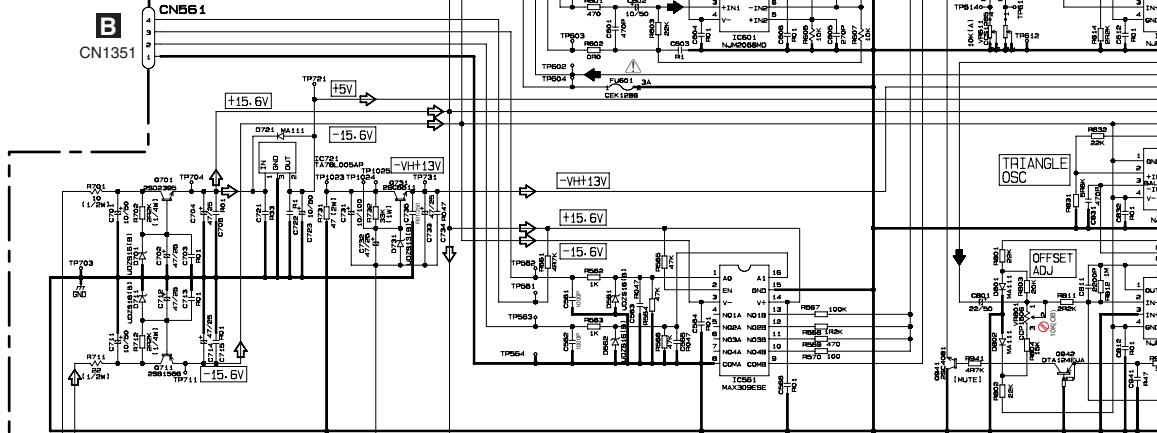
The mark found on some component parts indicates the importance of the safety factor of the part.
Therefore, when replacing, be sure to use parts of identical designation.



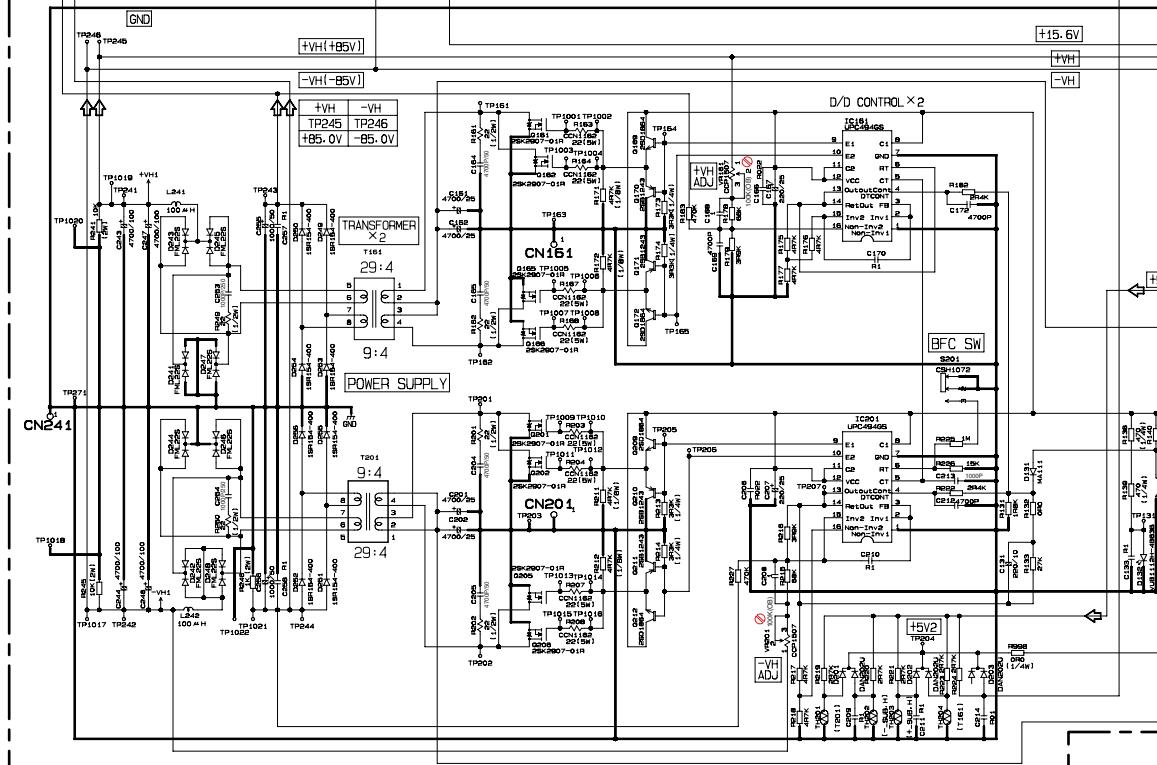
B



C



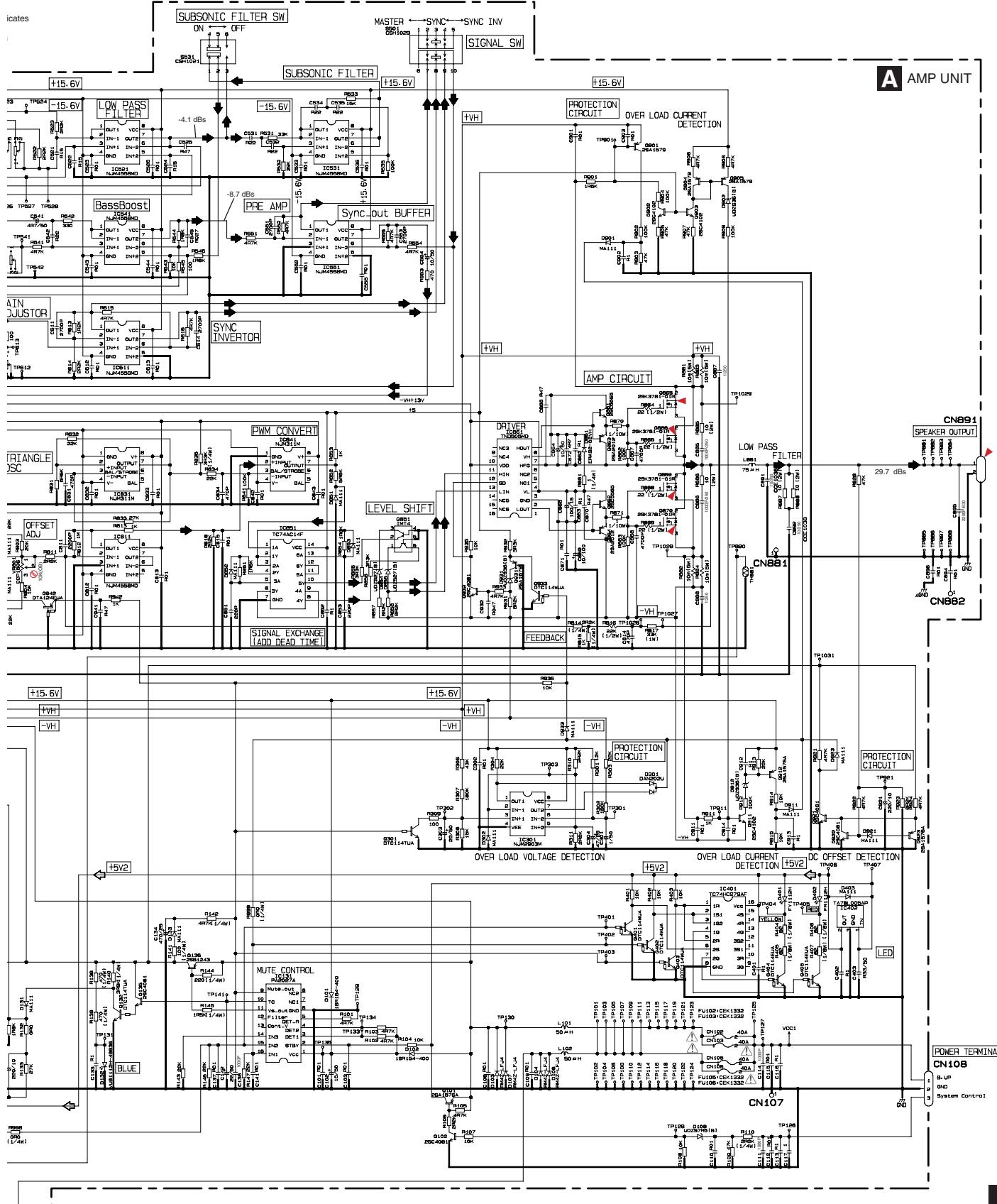
D



E

A

A-b



A

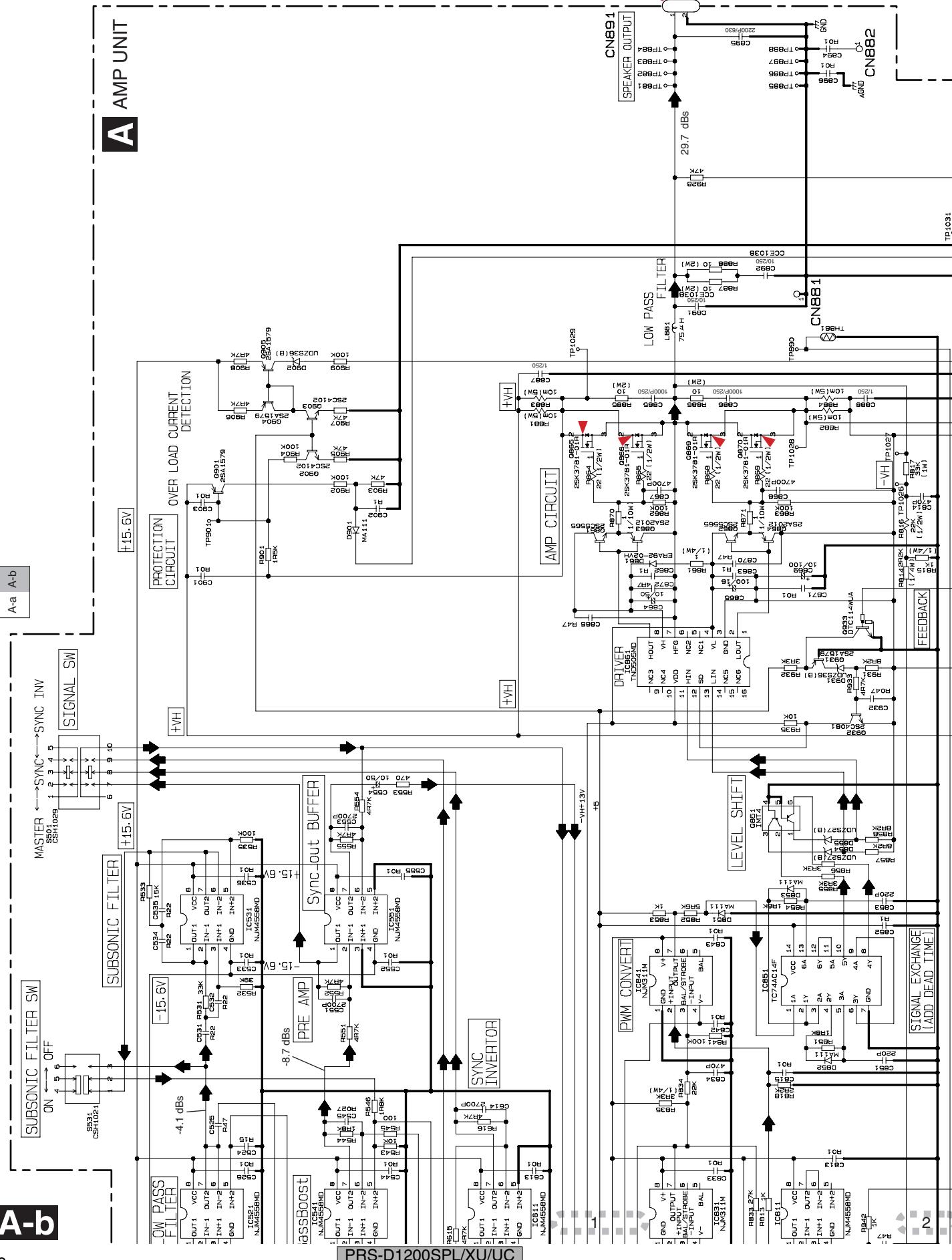
B

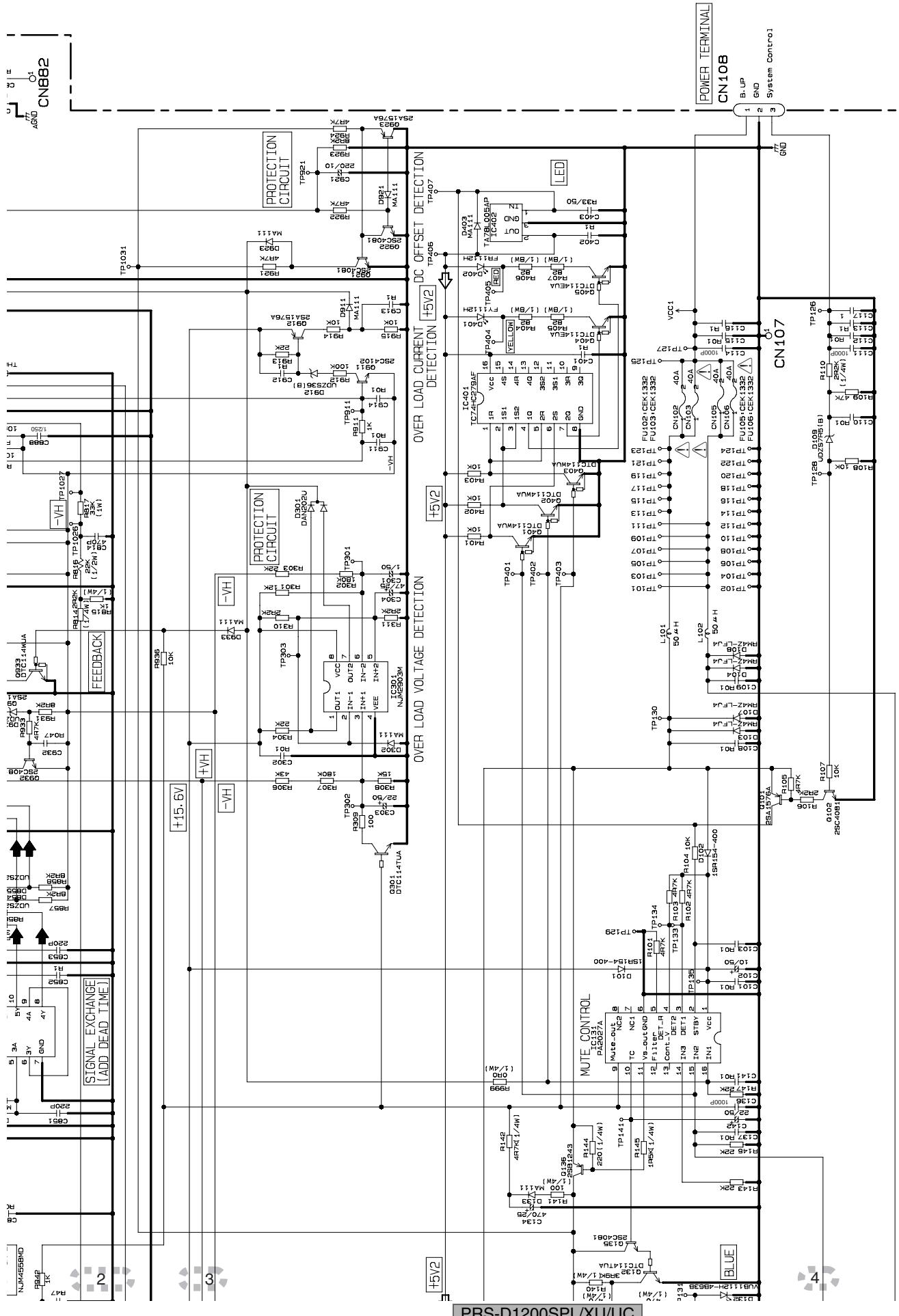
C

D

11

A AMP UNIT





A-b

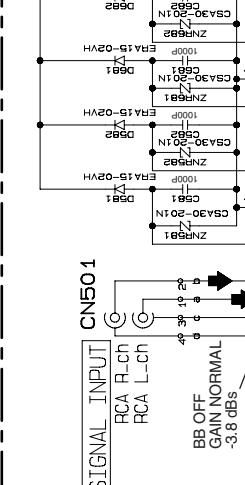
A-a**NOTE :**

- Symbol indicates a resistor.
- No differentiation is made between chip resistors and discrete resistors.
- Symbol indicates a capacitor.
- No differentiation is made between chip capacitors and discrete capacitors.

Decimal points for resistor and capacitor fixed values are expressed as :
 2.2 → 2R2
 0.022 → R022

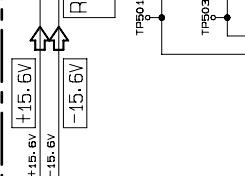
A-b

The \triangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.



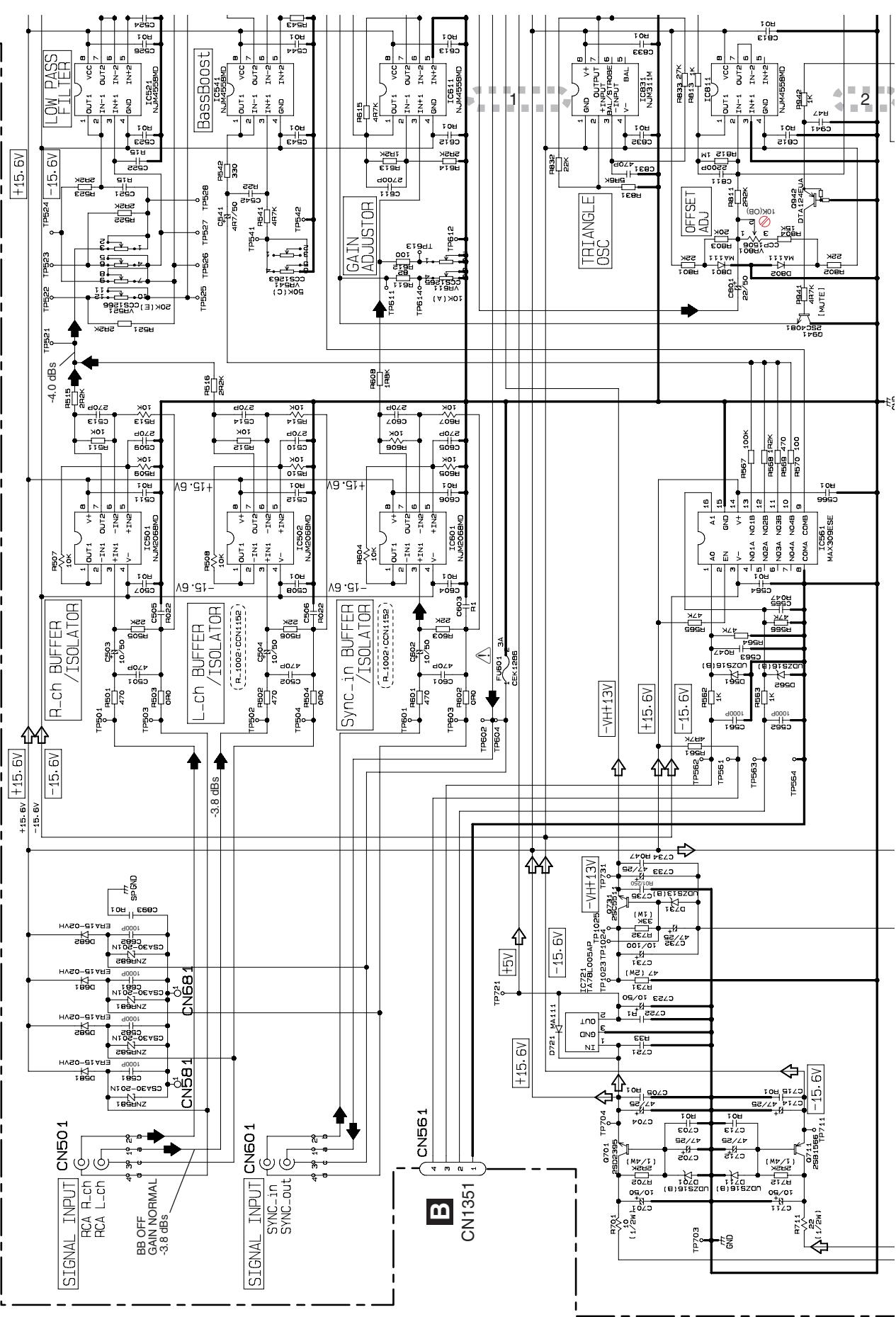
CN581
CN582

CN561
CN1351



CN581
CN582

CN561
CN1351



A

A-b

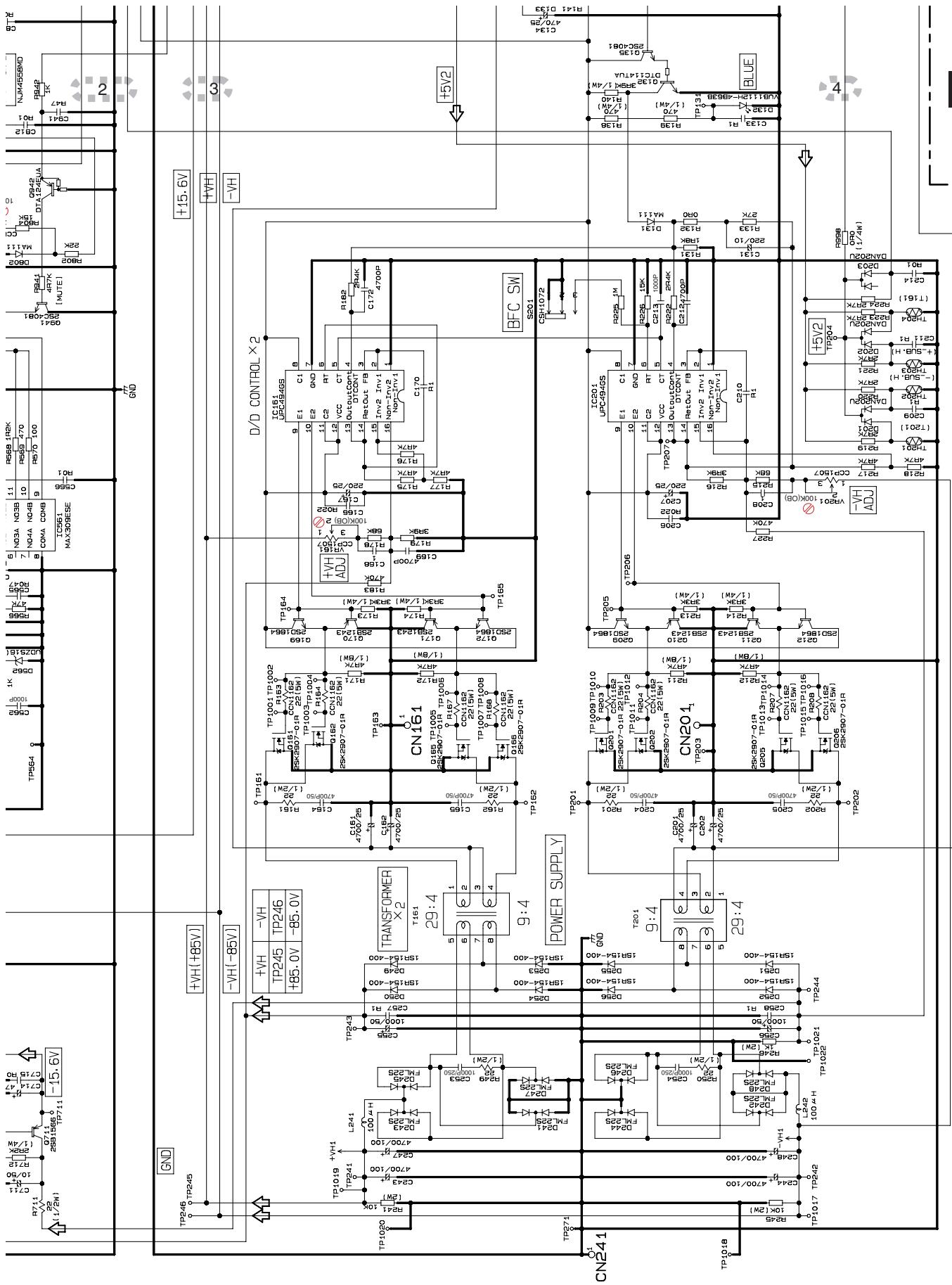
8

0

□

E

1



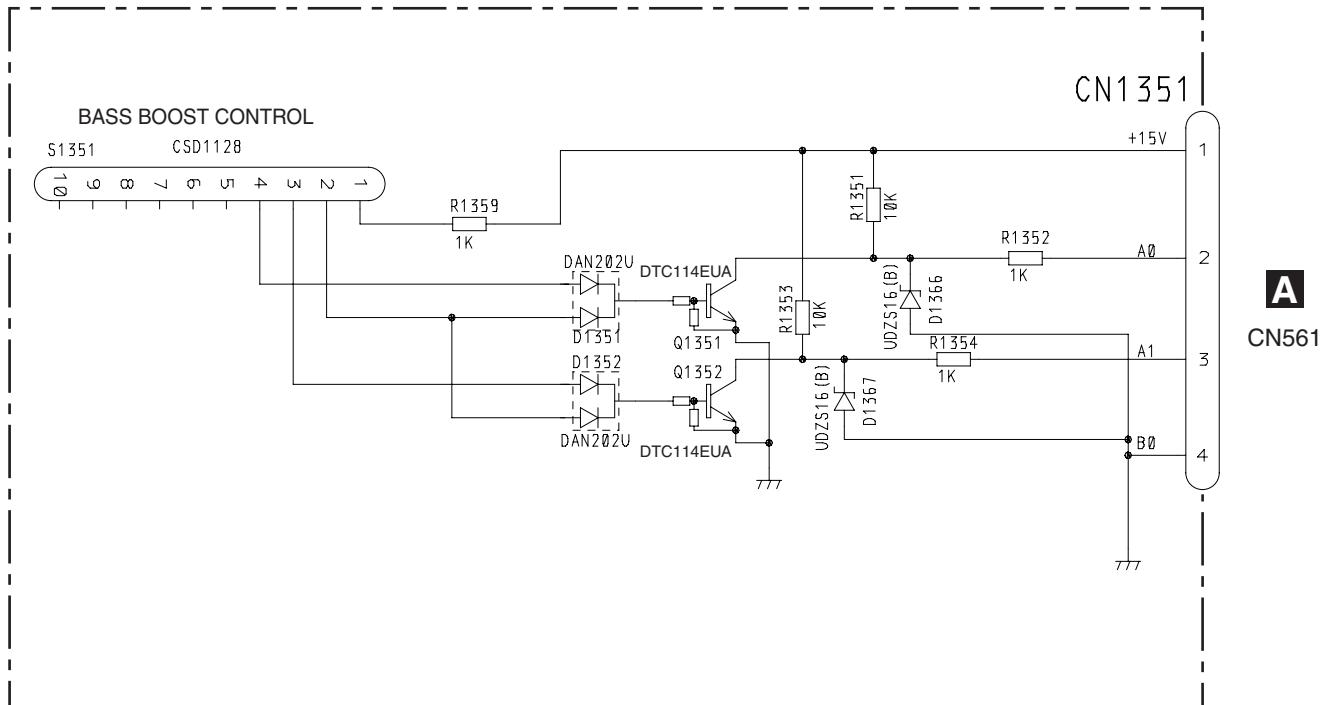
A-a

10.2 REMOTE CONTROL UNIT

A

8

B REMOTE CONTROL UNIT



A

CN561

6

F

11. PCB CONNECTION DIAGRAM

11.1 AMP UNIT

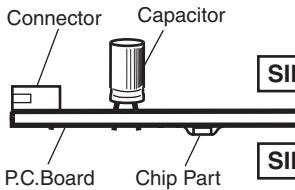
A

NOTE FOR PCB DIAGRAMS

1. The parts mounted on this PCB include all necessary parts for several destination.

For further information for respective destinations, be sure to check with the schematic diagram.

2. Viewpoint of PCB diagrams



B

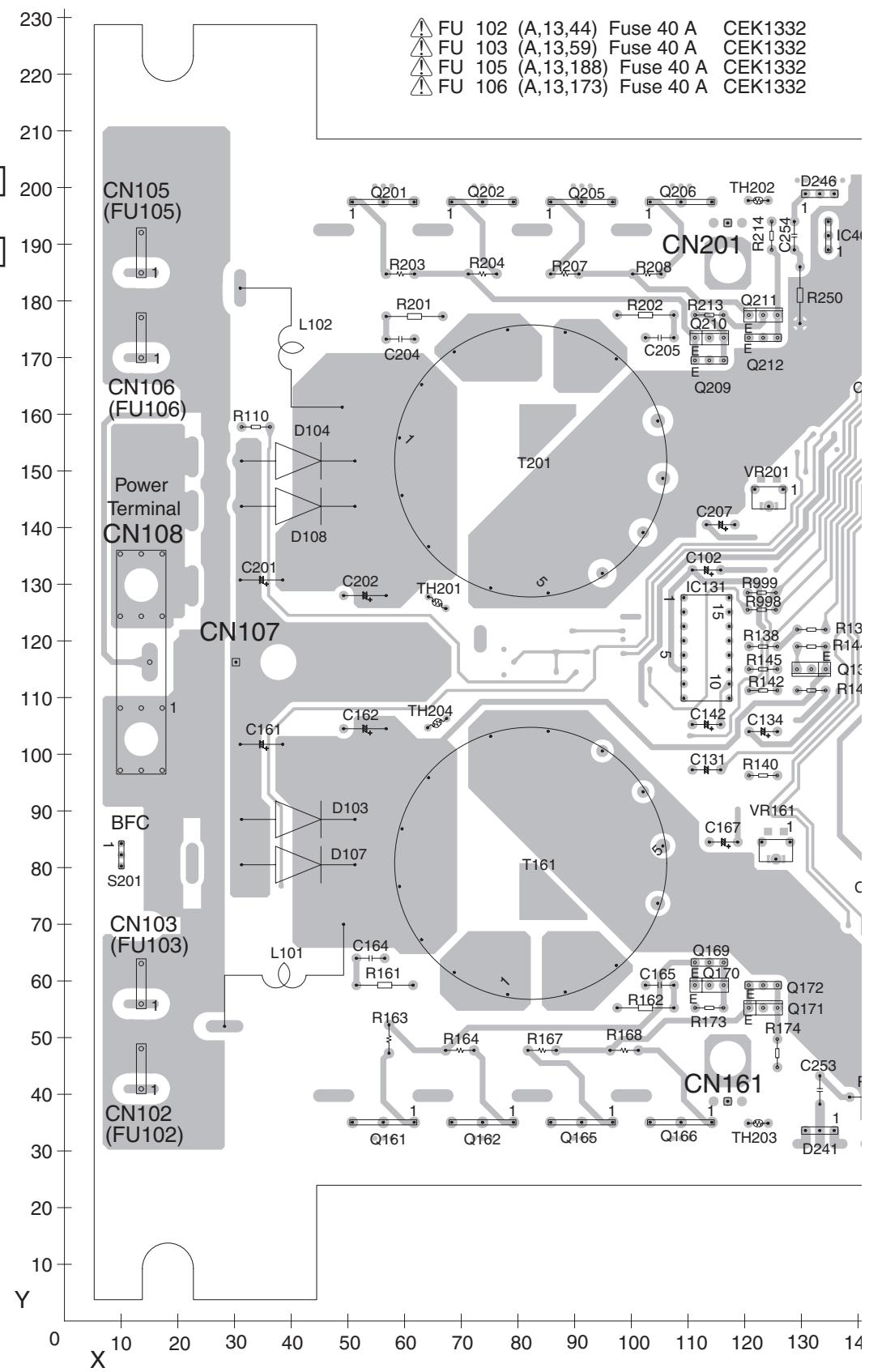
C

D

E

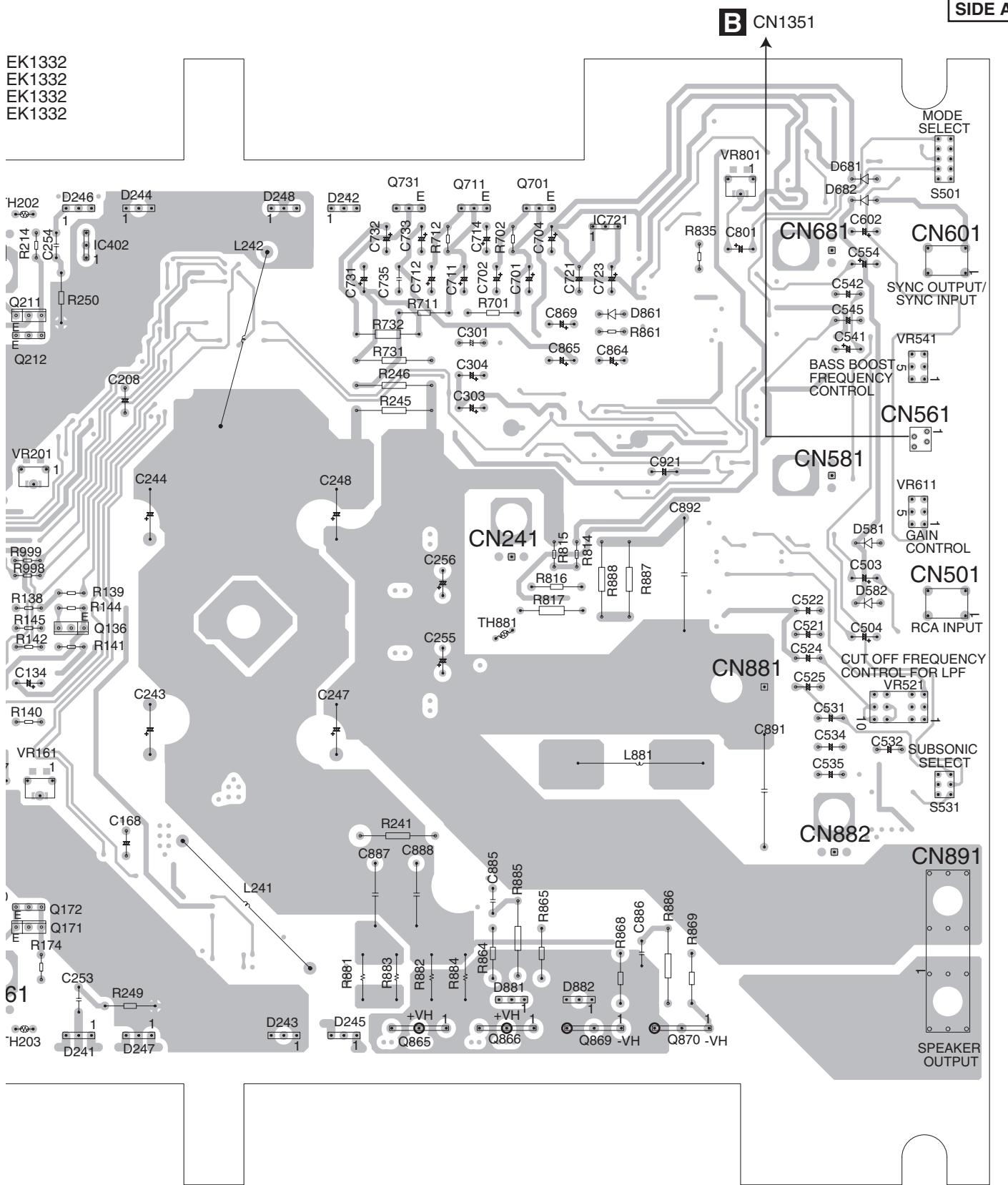
F

A AMP UNIT



A

EK1332
EK1332
EK1332
EK1332



20 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310

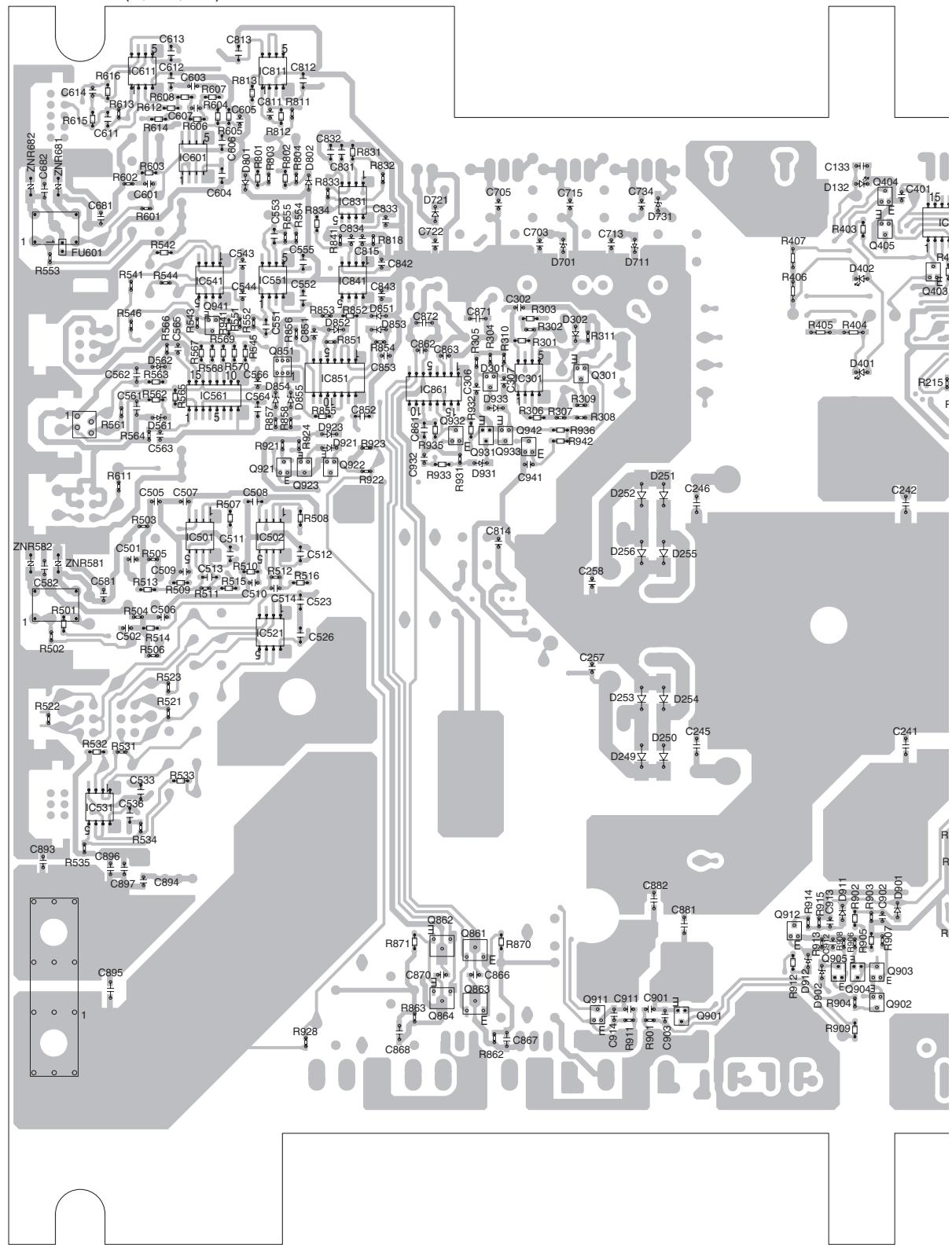
8

33

A

A AMP UNIT

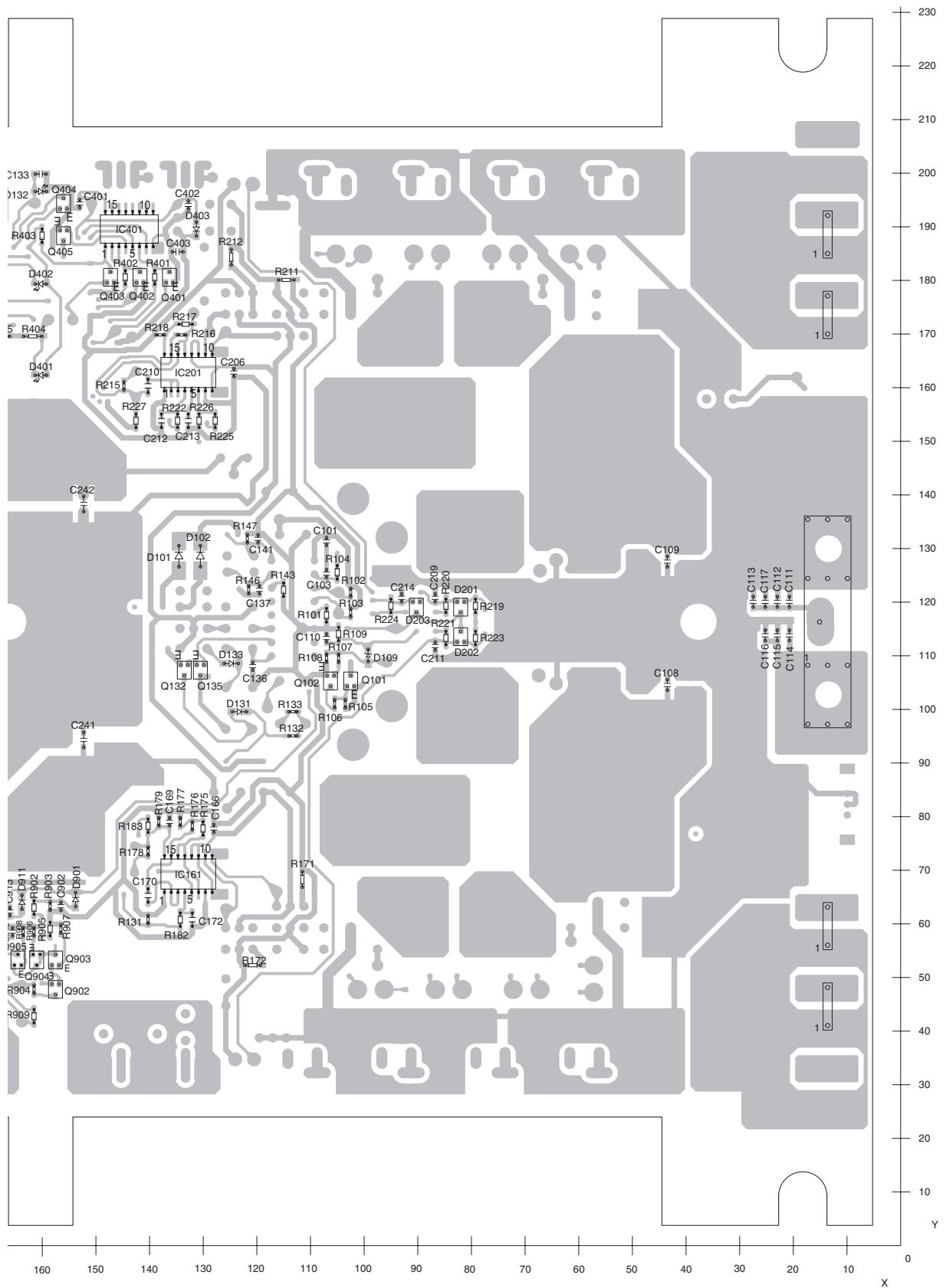
⚠ FU 601 (B,306,185) Fuse 3 A CEK1286



A

A

SIDE B



A

11.2 REMOTE CONTROL UNIT

A

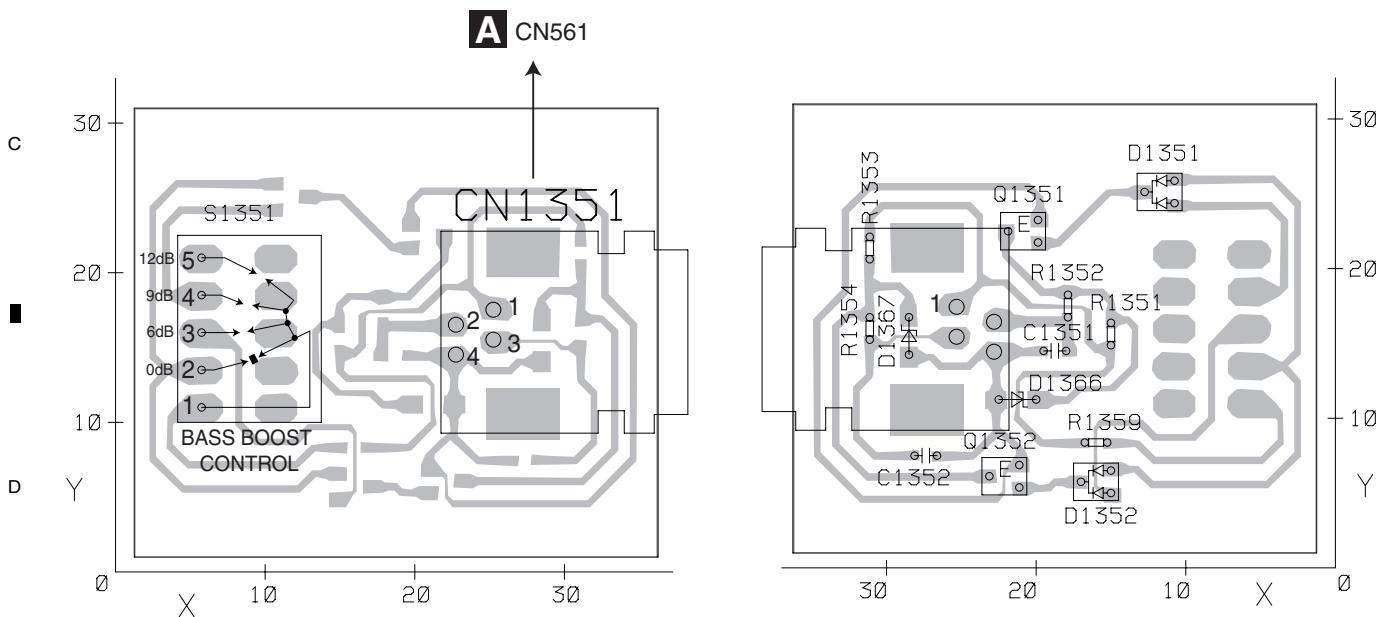
B

B REMOTE CONTROL UNIT

SIDE A

B REMOTE CONTROL UNIT

SIDE B



E

F

B

PRS-D1200SPL/XU/UC

12. ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

RS1/○S○○○J, RS1/○○S○○○J

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

- The  mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Meaning of the figures and others in the parentheses in the parts list.

Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.

IC 301 (A, 91, 111) IC NJM2068V

<u>Circuit Symbol and No.</u>	<u>Part No.</u>	<u>Circuit Symbol and No.</u>	<u>Part No.</u>
Unit Number: CWH1358		Q 162 (A,74,34) FET	2SK2907-01R
Unit Name : Amp Unit		Q 165 (A,91,34) FET	2SK2907-01R
Unit Number: CWM9848		Q 166 (A,109,34) FET	2SK2907-01R
Unit Name : Remote Control Unit		Q 169 (A,114,63) Transistor	2SD1864
		Q 170 (A,114,59) Transistor	2SB1243
		Q 171 (A,123,55) Transistor	2SB1243
		Q 172 (A,123,59) Transistor	2SD1864
		Q 201 (A,56,199) FET	2SK2907-01R

A

Unit Number: CWH1358		Q 202 (A,74,199) FET	2SK2907-01R
Unit Name : Amp Unit		Q 205 (A,91,199) FET	2SK2907-01R
		Q 206 (A,109,199) FET	2SK2907-01R
		Q 209 (A,114,170) Transistor	2SD1864
		Q 210 (A,114,174) Transistor	2SB1243

MISCELLANEOUS

IC 131	(A,113,119) IC	PA2027A	Q 211 (A,123,178) Transistor	2SB1243
IC 161	(B,133,69) IC	UPC494GS	Q 212 (A,123,174) Transistor	2SD1864
IC 201	(B,133,163) IC	UPC494GS	Q 301 (B,211,162) Chip Transistor	DTC114TUA
IC 301	(B,221,161) IC	NJM2903M	Q 401 (B,136,181) Transistor	DTC114WUA
IC 401	(B,144,190) IC	TC74HC279AF	Q 402 (B,142,181) Transistor	DTC114WUA
IC 402	(A,135,192) IC	TA78L005AP	Q 403 (B,147,181) Transistor	DTC114WUA
IC 501	(B,281,133) IC	NJM2068MD	Q 404 (B,156,194) Chip Transistor	DTC114EUA
IC 502	(B,268,133) IC	NJM2068MD	Q 405 (B,156,188) Chip Transistor	DTC114EUA
IC 521	(B,268,115) IC	NJM4558MD	Q 701 (A,225,199) Transistor	2SD2395
IC 531	(B,299,83) IC	NJM4558MD	Q 711 (A,212,200) Transistor	2SB1566
IC 541	(B,279,179) IC	NJM4558MD	Q 731 (A,199,199) POWER TR	2SC5511
IC 551	(B,267,179) IC	NJM4558MD	Q 851 (B,266,163) Transistor	IMT4
IC 561	(B,278,158) IC	MAX309ESE	Q 861 (B,231,58) Transistor	2SC5565
IC 601	(B,282,201) IC	NJM2068MD	Q 862 (B,237,58) Transistor	2SC5565
IC 611	(B,291,217) IC	NJM4558MD	Q 863 (B,231,48) Transistor	2SA2012
IC 721	(A,239,195) IC	TA78L005AP	Q 864 (B,237,48) Transistor	2SA2012
IC 811	(B,267,217) IC	NJM4558MD	Q 865 (A,201,34) FET	2SK3781-01R
IC 831	(B,253,194) COMPARATOR IC	NJM311M	Q 866 (A,219,34) FET	2SK3781-01R
IC 841	(B,253,179) COMPARATOR IC	NJM311M	Q 869 (A,236,34) FET	2SK3781-01R
IC 851	(B,256,161) IC	TC74AC14F	Q 870 (A,254,34) FET	2SK3781-01R
IC 861	(B,238,159) IC	TND505MD	Q 901 (B,193,45) Transistor	2SA1579
Q 101	(B,103,105) Chip Transistor	2SA1576A	Q 902 (B,158,48) Transistor	2SC4102
Q 102	(B,106,105) Transistor	2SC4081	Q 903 (B,158,53) Transistor	2SC4102
Q 132	(B,134,107) Chip Transistor	DTC114TUA	Q 904 (B,161,53) Transistor	2SA1579
Q 135	(B,131,107) Transistor	2SC4081	Q 905 (B,165,53) Transistor	2SA1579
Q 136	(A,132,115) Transistor	2SB1243	Q 911 (B,208,46) Transistor	2SC4102
Q 161	(A,56,34) FET	2SK2907-01R	Q 912 (B,173,61) Chip Transistor	2SA1576A
			Q 921 (B,265,145) Transistor	2SC4081

1	2	3	4		
Circuit Symbol and No.		Part No.	Circuit Symbol and No.	Part No.	
Q 922 Q 923	(B,257,145) Transistor (B,262,145) Chip Transistor	Transistor 2SC4081 2SA1576A	D 902 D 911	(B,168,53) Diode (B,164,64) Diode	
			D 912 D 921 D 923 D 931 D 933	(B,170,55) Diode (B,257,149) Diode (B,257,151) Diode (B,230,146) Diode (B,227,156) Diode	
A	Q 931 Q 932 Q 933 Q 941 Q 942	(B,229,151) Transistor (B,234,151) Transistor (B,225,151) Transistor (B,278,171) Transistor (B,221,149) Chip Digital Transistor	2SA1579 2SC4081 DTC114WUA 2SC4081 DTA124EUA	D 912 D 921 D 923 D 931 D 933	(B,170,55) Diode (B,257,149) Diode (B,257,151) Diode (B,230,146) Diode (B,227,156) Diode
	D 101 D 102 D 103 D 104 D 107	(B,135,129) Diode (B,131,129) Diode (A,41,89) Diode (A,41,152) Diode (A,41,81) Diode	1SR154-400 1SR154-400 RM4Z-LFJ4 RM4Z-LFJ4 RM4Z-LFJ4	ZNR581 ZNR582 ZNR681 ZNR682 L 101	(B,306,128) Surge Protector (B,311,128) Surge Protector (B,306,196) Surge Protector (B,311,196) Surge Protector (A,39,61) Choke Coil 50 μ H
	D 108 D 109 D 131 D 132 D 133	(A,41,144) Diode (B,99,110) Diode (B,123,100) Diode (B,160,197) LED (B,125,109) Diode	RM4Z-LFJ4 UDZS7R5(B) MA111 VUB1112H-4B63B MA111	L 102 L 241 L 242 L 881 T 161	(A,40,172) Choke Coil 50 μ H (A,167,60) Choke Coil 100 μ H (A,166,173) Choke Coil 100 μ H (A,233,88) Choke Coil 75 μ H (A,82,81) Transformer
	D 201 D 202 D 203 D 241 D 242	(B,82,119) Diode (B,82,114) Diode (B,90,119) Diode (A,133,34) Diode (A,186,199) Diode	DAN202U DAN202U DAN202U FML22S FML22S	T 201 TH201 TH202 TH203 TH204	(A,82,152) Transformer (A,66,127) Thermistor (A,122,197) Thermistor (A,122,35) Thermistor (A,66,106) Thermistor
	D 243 D 244 D 245 D 246 D 247	(A,174,34) Diode (A,145,199) Diode (A,186,34) Diode (A,133,199) Diode (A,145,34) Diode	FML22S FML22S FML22S FML22S FML22S	TH881 S 201 S 501 S 531 VR161	(A,218,114) Thermistor (A,10,82) Slide Switch(BFC) (A,306,209) Switch(MODE SELECT) (A,306,84) Switch(SUBSONIC SELECT) (A,126,85) Semi-fixed 100 k Ω (OB)
B	D 248 D 249 D 250 D 251 D 252	(A,174,199) Diode (B,200,93) Diode (B,196,93) Diode (B,196,140) Diode (B,200,140) Diode	FML22S 1SR154-400 1SR154-400 1SR154-400 1SR154-400	VR201 VR521 VR541 VR611 VR801	(A,124,147) Semi-fixed 100 k Ω (OB) (A,302,99) Variable Resistor 20 k Ω (E) (A,302,167) Volume 50 k Ω (C) (A,302,138) Variable Resistor 10 k Ω (A) (A,266,205) Semi-fixed 10 k Ω (OB)
	D 253 D 254 D 255 D 256 D 301	(B,200,103) Diode (B,196,103) Diode (B,196,130) Diode (B,200,130) Diode (B,228,161) Diode	1SR154-400 1SR154-400 1SR154-400 1SR154-400 DAN202U	△FU102 △FU103 △FU105 △FU106 △FU601	(A,13,44) Fuse 40 A (A,13,59) Fuse 40 A (A,13,188) Fuse 40 A (A,13,173) Fuse 40 A (B,306,185) Fuse 3 A
	D 302 D 401 D 402 D 403 D 561	(B,212,169) Diode (B,160,162) LED (B,160,179) LED (B,131,190) Diode (B,288,154) Diode	MA111 FY1112H FR1112H MA111 UDZS16(B)	RESISTORS	
	D 562 D 581 D 582 D 681 D 682	(B,288,163) Diode (A,291,132) Diode (A,291,120) Diode (A,290,205) Diode (A,290,201) Diode	UDZS16(B) ERA15-02VH ERA15-02VH ERA15-02VH ERA15-02VH	R 101 R 102 R 103 R 104 R 105 R 106 R 107 R 108 R 109 R 110	(B,107,118) (B,103,122) (B,103,118) (B,105,126) (B,104,101) (B,106,101) (B,105,110) (B,107,110) (B,105,114) (A,34,158)
	D 701 D 711 D 721 D 731 D 801	(B,215,185) Diode (B,202,185) Diode (B,238,191) Diode (B,197,193) Diode (B,272,197) Diode	UDZS16(B) UDZS16(B) MA111 UDZS13(B) MA111	R 131 R 132 R 133 R 134 R 135 R 136 R 137 R 138 R 139 R 140 R 141 R 142 R 143 R 144	(B,140,61) (B,113,95) (B,113,100) (A,123,119) (A,132,122) (A,123,96) (A,132,111) (A,123,111) (B,115,122) (A,132,119)
C	D 802 D 851 D 852 D 853 D 854	(B,261,197) Diode (B,248,173) Diode (B,256,170) Diode (B,248,170) Diode (B,267,157) Diode	MA111 MA111 MA111 MA111 UDZS27(B)	R 145 R 146 R 147 R 148 R 149	(B,115,122) (A,123,119) (B,113,100) (A,123,96) (A,132,111)
	D 855 D 861 D 901	(B,264,157) Diode (A,240,178) Diode (B,154,65) Diode	UDZS27(B) ERA92-02VH MA111	R 150 R 151 R 152	(B,115,122) (A,123,119) (A,132,119)
	D 856 D 862 D 902	(B,240,178) Diode (B,154,65) Diode (B,154,65) Diode	UDZS27(B) ERA92-02VH MA111	R 153 R 154 R 155	(B,115,122) (A,123,119) (A,132,119)
	D 857 D 863 D 903	(B,240,178) Diode (B,154,65) Diode (B,154,65) Diode	UDZS27(B) ERA92-02VH MA111	R 156 R 157 R 158	(B,115,122) (A,123,119) (A,132,119)
	D 858 D 864 D 904	(B,240,178) Diode (B,154,65) Diode (B,154,65) Diode	UDZS27(B) ERA92-02VH MA111	R 159 R 160 R 161	(B,115,122) (A,123,119) (A,132,119)

Circuit Symbol and No.Part No.

R 145	(A,123,115)	RD1/4PU152J
R 146	(B,122,122)	RS1/16S223J
R 147	(B,122,132)	RS1/16S223J
R 161	(A,57,59)	RS1/2PMF220J
R 162	(A,103,55)	RS1/2PMF220J

R 163	(A,57,50) 22 Ω	CCN1162
R 164	(A,70,48) 22 Ω	CCN1162
R 167	(A,84,48) 22 Ω	CCN1162
R 168	(A,99,48) 22 Ω	CCN1162
R 171	(B,112,68)	RS1/8S472J

R 172	(B,121,52)	RS1/8S472J
R 173	(A,114,55)	RD1/4PU332J
R 174	(A,126,47)	RD1/4PU332J
R 175	(B,130,78)	RS1/16S472J
R 176	(B,132,78)	RS1/16S472J

R 177	(B,134,79)	RS1/16S472J
R 178	(B,140,74)	RS1/16S683J
R 179	(B,138,79)	RS1/16S392J
R 182	(B,134,61)	RS1/16S242J
R 183	(B,140,78)	RS1/16S474J

R 201	(A,62,177)	RS1/2PMF220J
R 202	(A,103,178)	RS1/2PMF220J
R 203	(A,59,185) 22 Ω	CCN1162
R 204	(A,74,185) 22 Ω	CCN1162
R 207	(A,88,185) 22 Ω	CCN1162

R 208	(A,103,185) 22 Ω	CCN1162
R 211	(B,115,180)	RS1/8S472J
R 212	(B,125,184)	RS1/8S472J
R 213	(A,114,178)	RD1/4PU332J
R 214	(A,125,192)	RD1/4PU332J

R 215	(B,145,160)	RS1/16S683J
R 216	(B,134,170)	RS1/16S392J
R 217	(B,133,172)	RS1/16S472J
R 218	(B,138,170)	RS1/16S472J
R 219	(B,79,119)	RS1/16S272J

R 220	(B,85,119)	RS1/16S272J
R 221	(B,85,113)	RS1/16S272J
R 222	(B,135,154)	RS1/16S242J
R 223	(B,79,113)	RS1/16S272J
R 224	(B,95,119)	RS1/16S272J

R 225	(B,128,154)	RS1/16S105J
R 226	(B,131,154)	RS1/16S153J
R 227	(B,143,154)	RS1/16S474J
R 241	(A,197,74)	RS2PMF103J
R 245	(A,196,159)	RS2PMF103J

R 246	(A,196,164)	RS2PMF102J
R 249	(A,144,40)	RS1/2PMF220J
R 250	(A,130,181)	RS1/2PMF220J
R 301	(B,222,168)	RS1/16S1202F
R 302	(B,221,170)	RS1/16S1803F

R 303	(B,221,172)	RS1/16S2202F
R 304	(B,228,165)	RS1/16S223J
R 306	(B,219,154)	RS1/16S4302F
R 307	(B,215,154)	RS1/16S1803F
R 308	(B,211,154)	RS1/16S1502F

R 309	(B,211,156)	RS1/16S101J
R 310	(B,225,165)	RS1/16S2201F
R 311	(B,210,169)	RS1/16S2201F
R 401	(B,139,181)	RS1/16S103J
R 402	(B,145,181)	RS1/16S103J

Part No.Circuit Symbol and No.

R 403	(B,160,188)
R 404	(B,162,170)
R 405	(B,168,170)
R 406	(B,173,177)
R 407	(B,173,183)

R 501	(B,305,117)
R 502	(B,308,114)
R 503	(B,291,134)
R 504	(B,292,118)
R 505	(B,289,128)

R 506	(B,289,111)
R 507	(B,275,136) 10 kΩ
R 508	(B,262,136) 10 kΩ
R 509	(B,284,124) 10 kΩ
R 510	(B,271,126) 10 kΩ

R 511	(B,280,123) 10 kΩ
R 512	(B,267,125) 10 kΩ
R 513	(B,290,123) 10 kΩ
R 514	(B,290,116) 10 kΩ
R 515	(B,275,123)

R 516	(B,262,124)
R 521	(B,286,100)
R 522	(B,308,99)
R 523	(B,286,105)
R 531	(B,295,93)

R 532	(B,299,93)
R 533	(B,284,88)
R 535	(B,302,76)
R 541	(B,293,178)
R 542	(B,287,184)

R 543	(B,281,171)
R 544	(B,287,179)
R 545	(B,272,166)
R 546	(B,293,171)
R 551	(B,273,171)

R 552	(B,271,171)
R 553	(B,308,183)
R 554	(B,263,187)
R 555	(B,265,187)
R 561	(B,295,155)

R 562	(B,289,157)
R 563	(B,289,161)
R 564	(B,290,151)
R 565	(B,285,158)
R 566	(B,287,167)

R 567	(B,280,166)
R 568	(B,278,166)
R 569	(B,276,166)
R 570	(B,274,166)
R 601	(B,290,192)

R 602	(B,294,197)
R 603	(B,290,199)
R 604	(B,277,209) 10 kΩ
R 605	(B,275,209) 10 kΩ
R 606	(B,281,208) 10 kΩ

R 607	(B,278,212) 10 kΩ
R 608	(B,283,212)
R 611	(B,295,142)
R 612	(B,286,210)
R 613	(B,295,209)

Part No.

RS1/16S103J
RS1/8S820J
RS1/8S820J
RS1/8S820J
RS1/8S820J

A

RS1/16S471J
CCN1152
CCN1152
CCN1152
CCN1152

B

RS1/16S393J
RS1/16S153J
RS1/16S104J
RS1/16S472J
RS1/1

1 <u>Circuit Symbol and No.</u>		2 <u>Part No.</u>		3 <u>Circuit Symbol and No.</u>		4 <u>Part No.</u>	
A	R 614 (B,288,208)	RS1/16S222J	R 909 (B,162,43)	RS1/16S104J			
	R 615 (B,300,208)	RS1/16S472J	R 911 (B,203,45)	RS1/16S102J			
	R 616 (B,297,213)	RS1/16S472J	R 912 (B,173,55)	RS1/16S104J			
	R 701 (A,216,178)	RS1/2PMF100J	R 913 (B,168,59)	RS1/16S223J			
	R 702 (A,220,193)	RD1/4PU222J	R 914 (B,170,62)	RS1/16S103J			
B	R 711 (A,202,178)	RS1/2PMF220J	R 915 (B,168,62)	RS1/16S103J			
	R 712 (A,207,193)	RD1/4PU222J	R 921 (B,266,149)	RS1/16S472J			
	R 731 (A,196,169)	RS2PMF470J	R 922 (B,250,144)	RS1/16S472J			
	R 732 (A,195,174)	RS1PMF333J	R 923 (B,250,149)	RS1/16S822J			
	R 801 (B,270,198)	RS1/16S223J	R 924 (B,263,149)	RS1/16S472J			
C	R 802 (B,265,198)	RS1/16S223J	R 928 (B,261,41)	RS1/16S473J			
	R 803 (B,268,198)	RS1/16S203J	R 931 (B,233,147)	RS1/16S822J			
	R 804 (B,263,198)	RS1/16S153J	R 932 (B,231,152)	RS1/16S332J			
	R 811 (B,264,209)	RS1/16S222J	R 933 (B,237,146)	RS1/16S472J			
	R 812 (B,266,209)	RS1/16S105J	R 935 (B,238,152)	RS1/16S103J			
D	R 813 (B,271,213)	RS1/16S102J	R 936 (B,215,152)	RS1/16S103J			
	R 814 (A,233,130)	RD1/4PU222J	R 941 (B,275,171)	RS1/16S472J			
	R 815 (A,228,130)	RD1/4PU102J	R 942 (B,215,150)	RS1/16S102J			
	R 816 (A,229,123)	RS1/2PMF223J	R 998 (A,123,126)	RD1/4PU0R0J			
	R 817 (A,228,119)	RS1PMF333J	R 999 (A,123,129)	RD1/4PU0R0J			
E	R 818 (B,249,186)	RS1/16S222J	CAPACITORS				
	R 831 (B,253,202)	RS1/16S562J	C 101 (B,107,131)	CKSRYB103K50			
	R 832 (B,247,198)	RS1/16S223J	C 102 (A,113,133)	CEAT100M50			
	R 833 (B,257,195)	RS1/16S273J	C 103 (B,107,125)	CKSRYB103K50			
	R 834 (B,259,189)	RS1/16S223J	C 108 (B,44,105)	CKSQYB103K50			
F	R 835 (A,257,189)	RD1/4PU332J	C 109 (B,44,128)	CKSQYB103K50			
	R 841 (B,255,186)	RS1/16S104J	C 110 (B,107,113)	CKSRYB103K50			
	R 851 (B,257,168)	RS1/16S182J	C 111 (B,21,120)	CKSQYB102K50			
	R 852 (B,253,173)	RS1/16S562J	C 112 (B,23,120)	CKSQYB103K50			
	R 853 (B,258,173)	RS1/16S102J	C 113 (B,28,120)	CKSQYB104K50			
G	R 854 (B,248,168)	RS1/16S182J	C 114 (B,21,114)	CKSQYB102K50			
	R 855 (B,258,154)	RS1/16S332J	C 115 (B,23,114)	CKSQYB104K50			
	R 856 (B,263,169)	RS1/16S332J	C 116 (B,25,114)	CKSQYB104K50			
	R 857 (B,267,153)	RS1/16S822J	C 117 (B,25,120)	CKSQYB105K25			
	R 858 (B,264,153)	RS1/16S822J	C 131 (A,113,97)	CEANP221M10			
H	R 861 (A,240,174)	RD1/4PU1R0J	C 133 (B,160,200)	CKSQYB104K50			
	R 862 (B,227,41)	RS1/16S104J	C 134 (A,123,104)	CEAT471M25			
	R 863 (B,242,45)	RS1/16S104J	C 136 (B,121,108)	CKSRYB102K50			
	R 864 (A,216,50)	RS1/2PMF220J	C 137 (B,120,122)	CKSRYB103K50			
	R 865 (A,226,50)	RS1/2PMF220J	C 161 (A,35,102)	4 700 μ F/25 V	CCH1738(P45)		
I	R 868 (A,242,45)	RS1/2PMF220J	C 162 (A,53,105)	4 700 μ F/25 V	CCH1738(P45)		
	R 869 (A,256,45)	RS1/2PMF220J	C 164 (A,54,64)	CQMA472J50			
	R 870 (B,226,59)	RS1/10SR1R0J	C 165 (A,105,59)	CQMA472J50			
	R 871 (B,242,59)	RS1/10SR1R0J	C 166 (B,128,78)	CKSRYB223K50			
	R 881 (A,190,45) 0.01 Ω	CCN1158	C 170 (B,140,65)	CKSRYB104K50			
J	R 882 (A,204,45) 0.01 Ω	CCN1158	C 172 (B,132,61)	CKSRYB472K50			
	R 883 (A,197,45) 0.01 Ω	CCN1158	C 201 (A,35,131)	4 700 μ F/25 V	CCH1738(P45)		
	R 884 (A,211,45) 0.01 Ω	CCN1158	C 202 (A,53,128)	4 700 μ F/25 V	CCH1738(P45)		
	R 885 (A,221,53)	RS2PMF100J	C 204 (A,59,173)	CQMA472J50			
	R 886 (A,251,48)	RS2PMF100J	C 205 (A,105,174)	CQMA472J50			
K	R 887 (A,243,125)	RS2PMF100J	C 206 (B,124,163)	CKSRYB223K50			
	R 888 (A,238,125)	RS2PMF100J	C 207 (A,116,141)	CEAT221M25			
	R 901 (B,199,45)	RS1/16S152J					
	R 902 (B,162,63)	RS1/16S104J					
	R 903 (B,159,63)	RS1/16S473J					
L	R 904 (B,162,48)	RS1/16S104J					
	R 905 (B,159,59)	RS1/16S473J					
	R 906 (B,162,59)	RS1/16S472J					
	R 907 (B,157,59)	RS1/16S473J					
	R 908 (B,164,59)	RS1/16S472J					

Circuit Symbol and No.

C 208	(A,143,161)	CFTNA105J50
C 209	(B,87,121)	CKSRYB104K50
C 210	(B,140,160)	CKSRYB104K50
C 211	(B,87,112)	CKSRYB104K50

Circuit Symbol and No.

C 561	(B,292,156)	CKSQYB102K50
C 562	(B,292,162)	CKSQYB102K50
C 563	(B,288,151)	CKSRYB473K50
C 564	(B,270,156)	CKSRYB103K50

Part No.

CKSRYB473K50
CKSRYB103K50
CKSRYB102K50
CKSQYB102K50
CKSQYB102K50
CCSRCH471J50

A

C 212	(B,138,154)	CKSRYB472K50
C 213	(B,133,154)	CKSRYB102K50
C 214	(B,93,121)	CKSRYB103K50
C 243	(A,148,95) 4 700 μ F/100 V	CCH1737
C 244	(A,148,138) 4 700 μ F/100 V	CCH1737

C 565	(B,285,167)	CKSRYB473K50
C 566	(B,270,160)	CKSRYB103K50
C 581	(B,298,122)	CKSQYB102K50
C 582	(B,309,127)	CKSQYB102K50
C 601	(B,290,197)	CCSRCH471J50

C 247	(A,185,95) 4 700 μ F/100 V	CCH1737
C 248	(A,185,138) 4 700 μ F/100 V	CCH1737
C 253	(A,133,41)	CQMA102K2E
C 254	(A,129,192)	CQMA102K2E
C 255	(A,206,109)	CEAT102M50(P35)

C 602	(A,290,194)	CEAT100M50
C 603	(B,282,214)	CKSRYB104K50
C 604	(B,277,198)	CKSRYB103K50
C 605	(B,273,208)	CCSRCH271J50
C 606	(B,277,204)	CKSRYB103K50

B

C 256	(A,206,124)	CEAT102M50(P35)
C 257	(B,209,109)	CKSRYB104K50
C 258	(B,209,124)	CKSRYB104K50
C 301	(A,212,172)	CEANP1R0M50
C 302	(B,223,174)	CKSRYB103K50

C 607	(B,281,210)	CCSRCH271J50
C 611	(B,297,208)	CKSRYB272K50
C 612	(B,286,215)	CKSRYB103K50
C 613	(B,286,220)	CKSRYB103K50
C 614	(B,300,213)	CKSRYB272K50

B

C 303	(A,212,159)	CEAT220M50
C 304	(A,212,166)	CEAT470M25
C 401	(B,153,194)	CKSRYB104K50
C 402	(B,133,194)	CKSRYB104K50
C 403	(B,135,185)	CKSQYB334K50

C 681	(B,299,190)	CKSQYB102K50
C 682	(B,309,195)	CKSQYB102K50
C 701	(A,223,185)	CEAT100M50
C 702	(A,217,185)	CEAT470M25
C 703	(B,219,186)	CKSRYB103K50

C

C 501	(B,293,128)	CCSRCH471J50
C 502	(B,294,116)	CCSRCH471J50
C 503	(A,290,125)	CEAT100M50
C 504	(A,290,113)	CEAT100M50
C 505	(B,289,139)	CKSRYB223K50

C 704	(A,228,193)	CEAT470M25
C 705	(B,226,193)	CKSRYB103K50
C 711	(A,210,185)	CEAT100M50
C 712	(A,204,185)	CEAT470M25
C 713	(B,206,186)	CKSRYB103K50

C

C 506	(B,287,118)	CKSRYB223K50
C 507	(B,283,139)	CKSRYB103K50
C 508	(B,271,139)	CKSRYB103K50
C 509	(B,283,126)	CCSRCH271J50
C 510	(B,271,124)	CCSRCH271J50

C 714	(A,215,193)	CEAT470M25
C 715	(B,213,193)	CKSRYB103K50
C 721	(A,233,185)	CFTNA334J50
C 722	(B,238,186)	CKSRYB104K50
C 723	(A,240,185)	CEAT100M50

D

C 511	(B,275,129)	CKSRYB103K50
C 512	(B,262,129)	CKSRYB103K50
C 513	(B,279,125)	CCSRCH271J50
C 514	(B,267,123)	CCSRCH271J50
C 521	(A,279,114)	CFTNA154J50

C 731	(A,190,185)	CEAT100M2A
C 732	(A,195,193)	CEAT470M25
C 733	(A,202,193)	CEAT470M25
C 734	(B,200,193)	CKSRYB473K50
C 735	(A,197,185)	CQMA103K2E

E

C 531	(A,284,97)	CFTNA224J50
C 532	(A,295,91)	CFTNA224J50
C 533	(B,291,86)	CKSRYB103K50
C 534	(A,284,91)	CFTNA224J50
C 535	(A,284,86)	CFTNA224J50

C 815	(B,251,186)	CKSRYB103K50
C 831	(B,255,202)	CKSRYB471K50
C 832	(B,257,202)	CKSRYB103K50
C 833	(B,247,190)	CKSRYB103K50
C 834	(B,253,186)	CCSRCH471J50

E

C 536	(B,293,82)	CKSRYB103K50
C 541	(A,287,171)	CEAT4R7M50
C 542	(A,287,182)	CFTNA224J50
C 543	(B,273,182)	CKSRYB103K50
C 544	(B,273,176)	CKSRYB103K50

C 842	(B,248,182)	CKSRYB103K50
C 843	(B,248,176)	CKSRYB103K50
C 851	(B,260,169)	CKSRYB221K50
C 852	(B,251,154)	CKSRYB104K50
C 853	(B,247,165)	CKSRYB221K50

F

C 545	(A,287,177)	CFTNA273J50
C 551	(B,269,171)	CKSRYB272K50
C 552	(B,262,176)	CKSRYB103K50
C 553	(B,267,187)	CKSRYB272K50
C 554	(A,290,188)	CEAT100M50

C 862	(B,240,166)	CKSRYB104K50
C 863	(B,236,165)	CKSRYB104K50
C 864	(A,240,169)	CEAT100M50
C 865	(A,230,169)	CEAT101M16
C 866	(B,231,153)	CKSRYB474K16

F

C 555	(B,262,182)	CKSRYB103K50
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C 867	(B,225,41)	CKSQYB472K50
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Circuit Symbol and No.**Part No.**

A	C 868	(B,244,42)	CKSQYB472K50
	C 869	(A,230,176)	CEAT100M2A
	C 870	(B,237,53)	CKSRYB474K16
	C 871	(B,230,172) 10 000 pF	CCG1245
	C 872	(B,240,171)	CKSYB475K25
	C 885	(A,216,61)	CQMA102K2E
	C 886	(A,246,50)	CQMA102K2E
	C 887	(A,193,62) 1 µF	CCE1035
	C 888	(A,201,62) 1 µF	CCE1035
	C 891	(A,270,83) 10 µF	CCE1038
	C 892	(A,254,126) 10 µF	CCE1038
	C 893	(B,309,73)	CKSQYB103K50
	C 894	(B,291,70)	CKSRYB103K50
	C 895	(B,297,50) 2 200 pF	CCG1248
	C 896	(B,297,72)	CKSQYB103K50
	C 901	(B,199,47)	CKSRYB103K50
	C 902	(B,157,63)	CKSRYB104K50
	C 903	(B,196,45)	CKSQYB103K50
	C 911	(B,203,47)	CKSRYB103K50
	C 912	(B,166,59)	CKSRYB104K50
	C 913	(B,166,62)	CKSRYB104K50
	C 914	(B,205,46)	CKSQYB103K50
	C 921	(A,250,146)	CEANP221M10
	C 932	(B,240,147)	CKSRYB473K50
	C 941	(B,221,146)	CKSRYB474K16

B**Unit Number : CWM9848****Unit Name : Remote Control Unit****MISCELLANEOUS**

D	Q 1351	(B,21,23) Chip Transistor	DTC114EUA
	Q 1352	(B,22,6) Chip Transistor	DTC114EUA
	D 1351	(B,12,25) Diode	DAN202U
	D 1352	(B,16,6) Diode	DAN202U
	D 1366	(B,21,11) Diode	UDZS16(B)
E	D 1367	(B,29,16) Diode	UDZS16(B)
	S 1351	(A,6,11) Switch(BASS BOOST)	CSD1128

RESISTORS

E	R 1351	(B,15,16)	RS1/16S103J
	R 1352	(B,18,18)	RS1/16S102J
	R 1353	(B,31,21)	RS1/16S103J
	R 1354	(B,31,16)	RS1/16S102J
	R 1359	(B,16,8)	RS1/16S102J